

SONY®

DIGITAL CAMCORDER

DSR-500WS
DSR-500WSP

INDEX PICTURE BOARD

DSBK-301A

ANALOG COMPOSITE INPUT BOARD

DSBK-501
DSBK-501P

SERVICE MANUAL

Volume 2 1st Edition

Power HAD

DVCAM™

⚠ 警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

設置や保守、点検、修理などを行う前に、別冊のサービスマニュアルVolume 1の「安全のために」と別冊のサービスマニュアルに掲載してある取扱説明書の「安全のために」を必ずお読みください。

⚠ WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠ WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

ADVARSEL

Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.
Brukt batteri returneres apparatleverandøren.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en likvärdig typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt gällande föreskrifter.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.

Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

VAROITUS

Paristo voi räjähtää jos se on virheellisesti asennettu.

Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.

Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri af samme fabrikat og type.

Levér det brugte batteri tilbage til leverandøren.

X-RAY RADIATION WARNING

Be sure that parts replacement in the high voltage block and adjustments made to the high voltage circuits are carried out precisely in accordance with the procedures given in this manual.

For the customers in the U.S.A. and Canada

RECYCLING NICKEL-CADMIUM BATTERIES

Nickel Cadmium batteries are recyclable. You can help preserve our environment by returning your unwanted batteries to your nearest point for collection, recycling or proper disposal.

Note: In some areas the disposal of nickel cadmium batteries in household or business trash may be prohibited.



RBRC (Rechargeable Battery Recycling Corporation) advises you about spent battery collection by the following phone number.

**Call toll free number: 1-800-822-8837
(United States and Canada only)**

Caution: Do not handle damaged or leaking nickel-cadmium batteries.

Voor de klanten in Nederland

Dit apparaat bevat een $\text{MnO}_2\text{-Li}$ batterij voor memory back-up.

Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.

Gooi de batterij niet weg, maar lever hem in als KCA.



Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

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このマニュアルについて

本書の目的

本書はデジタルカムコーダ DSR-500WS, インデックスピクチャーボード DSBK-301A, アナログコンポジットインプットポート DSBK-501 のサービスマニュアル Vol.2 です。本書では、ブロックダイアグラム, マウント図, 回路図, 半導体, パーツリストを記載しています。

関連マニュアル

この「サービスマニュアル Vol.2」の他に、下記のマニュアルが用意されています。

- サービスマニュアル Vol.1 DSR-500WS

部品番号：9-977-385-11

本書の取り扱い, 操作方法と部品の交換方法および調整などに関する情報を記載しています。

- サービスマニュアル DXF-701/701CE/701WS/701WSCE

部品番号：9-977-265-02

別途発行の DXF-701/701CE/701WS/701WSCE のサービスマニュアルをご覧ください。

- サービスマニュアル VCT-U14

部品番号：9-977-221-01

別途発行の VCT-U14 のサービスマニュアルをご覧ください。

- サービスマニュアル DSR-300

部品番号：9-977-333-11 (Vol.1)

部品番号：9-977-332-21 (Vol.2)

カメラアダプタ CA-WR855 については、別途発行の DSR-300 のサービスマニュアルをご覧ください。

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MANUAL STRUCTURE

Purpose of this manual

This manual is the Service Manual Vol. 2 of the digital camcorder DSR-500WS/500WSP, the index picture board DSBK-301A and the analog composite input board DSBK-501/501P.

This manual contains block diagrams, board layouts, schematic diagrams, semiconductor pin assignments and parts lists.

Related manuals

In addition to this Service Manual Vol. 1, the following manuals are provided.

- **Service Manual Vol. 1 DSR-500WS/500WSP**

Part No. 9-977-384-11

Contains the operation manual related to the operations of this equipment, the replacement of the parts and adjustments.

- **Service Manual DXF-701/701CE/701WS/701WSCE**

Part No. 9-977-265-02

See the DXF-701/701CE/701WS/701WSCE service manual available separately.

- **Service Manual VCT-U14**

Part No. 9-977-221-01

See the VCT-U14 service manual available separately.

- **Service Manual DSR-300/300P**

Part No. 9-977-332-11 (Vol.1)

Part No. 9-977-332-21 (Vol.2)

As for the CA-WR855 camera adaptor, see the DSR-300/300P service manual available separately.

SECTION 1

PARTS LIST

1-1. NOTES ON SPARE PARTS

(1) Safety Related Components Warning

Components marked \triangle are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

(2) Standardization of Parts

Repair parts supplied from Sony Parts Center may not be always identical with the parts which actually in use due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts".

This manual's exploded views and electrical spare parts list are indicating the part numbers of "the standardized genuine parts at present".

(3) Stock of Parts

Parts marked with "o" SP (Supply Code) column of the spare parts list are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.

(4) Units for Capacitors, Inductors and Resistors

The following units are assumed in schematic diagrams, electrical parts list and exploded views unless otherwise specified.

Capacitors : μF

Inductors : μH

Resistors : Ω

1-1. 補修部品注意事項

(1) 安全重要部品

\triangle 警告

\triangle 印のついた部品は安全性を維持するために重要な部品です。したがって、交換する時は必ず指定の部品を使ってください。

(2) 部品の共通化

ソニーから供給される部品は、セットに実装されているものと異なることがあります。これは部品の共通化、改良等によるものです。

分解図や電気部品表には現時点での共通化された部品が記載されています。

(3) 部品の在庫

部品表のSP (Supply code) 欄に "o" で示される部品は交換頻度が低い部品ですので在庫していないことがあり、納期が長くなることがあります。

(4) コンデンサ、インダクタ、抵抗の単位

回路図、分解図、電気部品表中、特に明記したものを除き、下記の単位は省略されています。

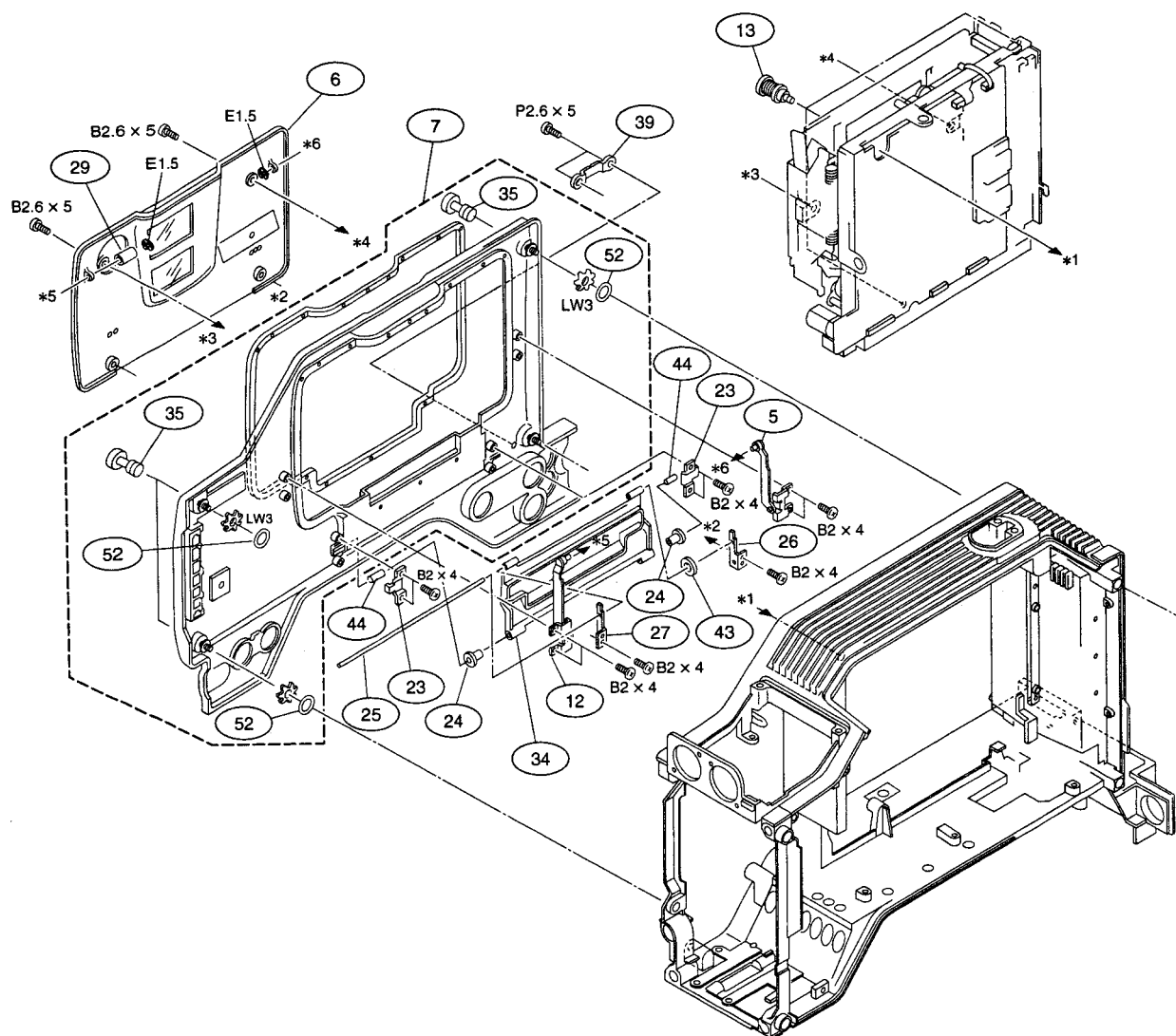
コンデンサ : μF

インダクタ : μH

抵抗 : Ω

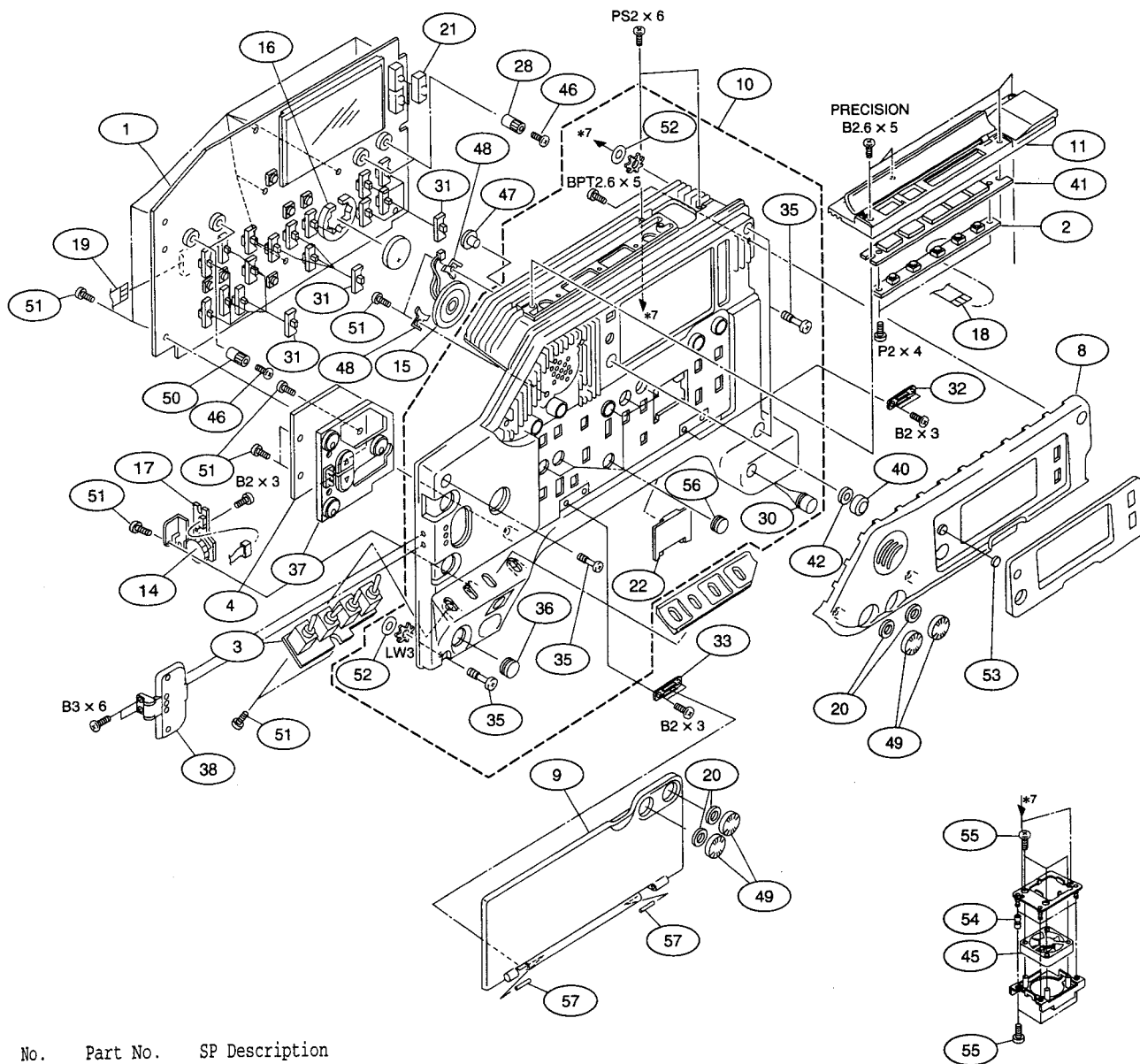
LEFT/RIGHT PANEL BLOCK

1-2. EXPLODED VIEWS



No.	Part No.	SP Description	No.	Part No.	SP Description
1	A-8322-152-A	o MOUNTED CIRCUIT BOARD, FP-118	21	3-604-358-01	o KNOB(H), SW
2	A-8318-188-A	o MOUNTED CIRCUIT BOARD, KY-405	22	3-604-373-03	o COVER, BATTERY
3	A-8322-170-A	o MOUNTED CIRCUIT BOARD, GCN-16	23	3-604-805-01	o CLAMP B, SHAFT
4	A-8318-233-A	o MOUNTED CIRCUIT BOARD, FP-99	24	3-604-806-01	o SUPPORT, SHAFT
5	X-3604-530-1	o SUPPORT L-M ASSEMBLY, ARM	25	3-604-889-01	o SHAFT R1, ARM
6	X-3604-535-3	o LID ASSEMBLY, CASSETTE COMPARTMENT	26	3-604-897-01	o FL, SUPPORT
7	X-3605-487-1	o L PANEL(WS) SUB ASSEMBLY	27	3-604-898-01	o FR, SUPPORT
8	3-612-570-11	o PAD, R	28	3-605-437-01	o SUPPORT, KNOB
9	X-3604-538-4	s COVER ASSEMBLY, FP	29	3-605-946-01	o ROLLER, F
10	X-3605-489-1	s R PANEL(WS) SUB ASSEMBLY	30	3-607-206-02	s FOOT, RUBBER
11	X-3605-492-1	o SUB ASSEMBLY(2), KEY PANEL	31	3-612-528-01	s KNOB(M), SW
12	X-3678-799-5	o SUPPORT L ASSEMBLY, ARM	32	3-612-529-01	s HINGE(F), FP
13	X-3678-976-3	s SCREW ASSEMBLY, MD	33	3-612-530-01	s HINGE(R), FP
14	1-473-406-12	s ENCODER, ED JOG	34	3-612-572-01	o SUPPORT PANEL, SUB
15	1-544-559-11	s SPEAKER	35	3-612-598-01	s SCREW, STEP
16	1-550-414-31	o HOLDER, BATTERY	36	3-612-632-02	s COVER, SW(H)
17	1-669-104-12	o PRINTED WIRING BOARD, SW-929	37	3-612-674-01	s COVER, SWITCH
18	1-777-902-11	o CABLE, FLAT (10-CORE)	38	3-617-811-01	s HOLDER, CLAMP
19	1-783-363-11	s CABLE, FLAT (10-CORE)	39	3-617-811-01	s HOLDER, CLAMP
20	3-176-488-01	s SHEET, VR	40	3-679-086-01	s BUTTON, PUSH

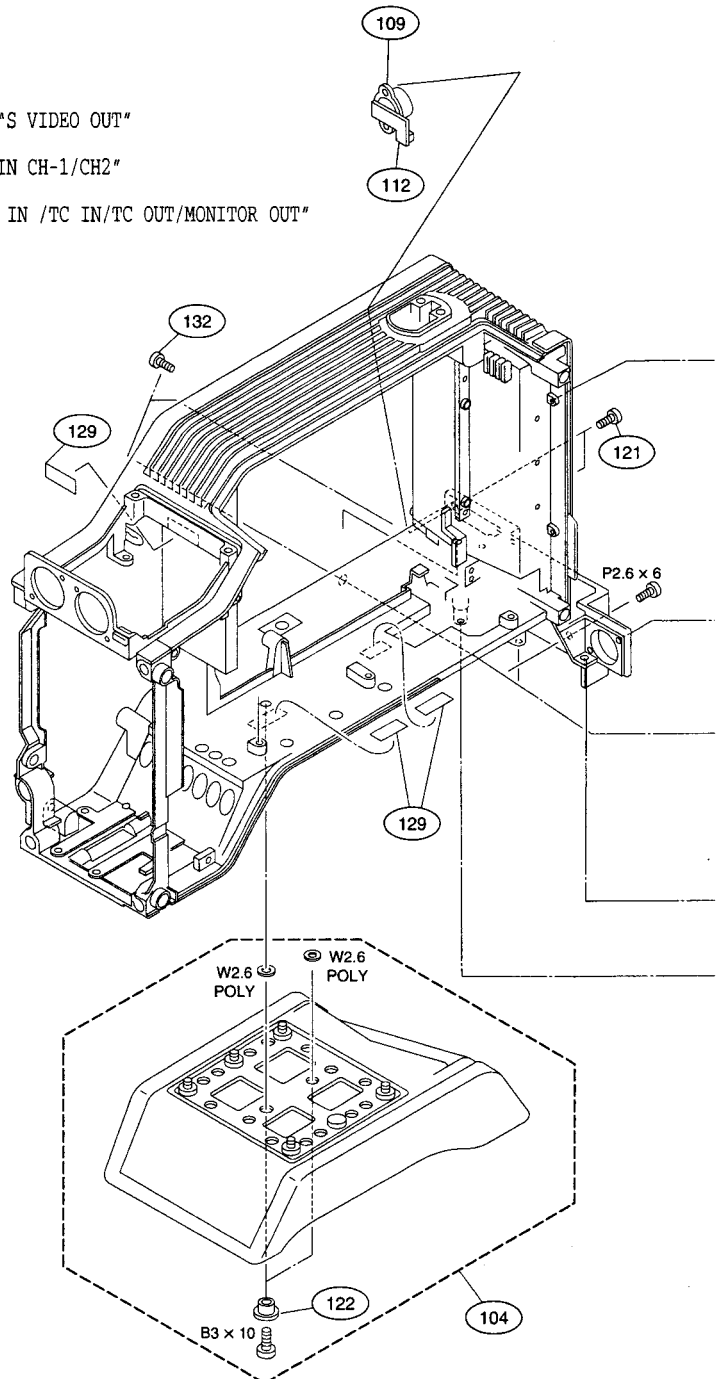
LEFT/RIGHT PANEL BLOCK



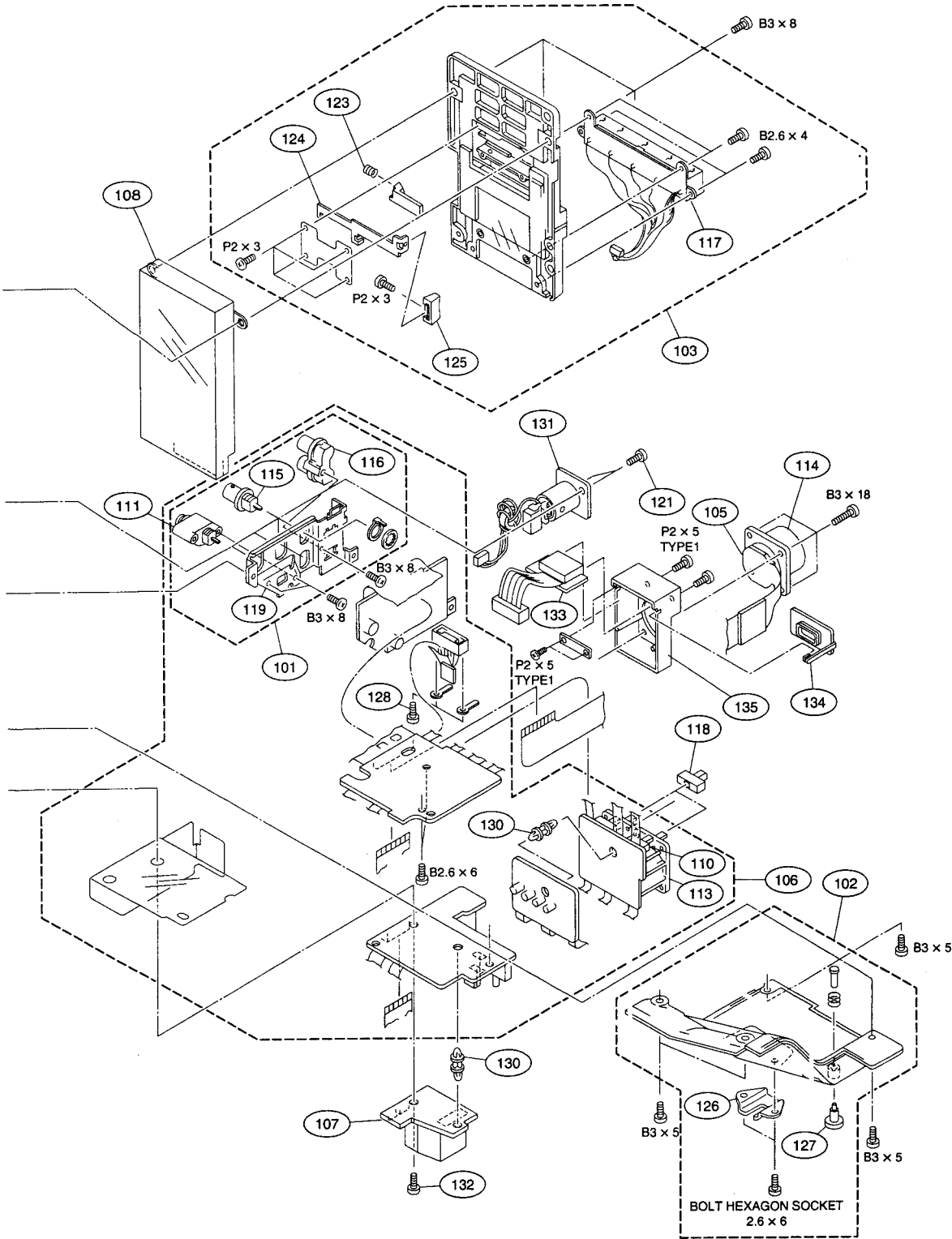
No.	Part No.	SP Description
41	3-679-501-01	o COVER, RUBBER KEY BOARD
42	3-686-086-01	s CUSHION, BUTTON
43	3-701-437-11	s WASHER
44	3-703-358-06	s PIN, PARALLEL (DIA. 2X14)
45	1-763-337-11	s MOTER, DC FAN
46	3-704-244-41	s SCREW (P1.7X3.0)
47	3-718-694-01	s PIN, PUSH BUTTON
48	3-724-726-01	o HOLDER, SPEAKER
49	3-724-755-04	s KNOB (F), VR
50	3-744-304-01	s KNOB (SUPPORT)
51	3-184-550-31	s SCREW, +B2.6X4
52	3-672-250-01	s RING (M2.6), O
53	3-717-936-03	o COVER, LED
54	3-617-812-01	o VIBRATION PROOF, RUBBER
55	4-963-924-01	s SCREW (DAMPER)
56	3-672-244-21	s COVER, SWITCH
57	3-703-358-09	s PIN, PARALLEL (DIA. 2X25)

BOTTOM/REAR FRAME

No.	Part No.	SP Description
101	A-8278-413-E	s PLATE, CP ASSEMBLY
102	A-8278-790-B	o PANEL ASSEMBLY, BOTTOM
103	A-8278-792-B	o PANEL ASSEMBLY, REAR
104	A-8278-807-B	o PAD ASSEMBLY, SHOULDER
105	A-8317-811-A	o MOUNTED CIRCUIT BOARD, CN-1519
106	A-8318-040-A	o MOUNTED CIRCUIT BOARD, CP-315
107	A-8322-176-A	o MOUNTED CIRCUIT BOARD, PS-570
108	1-418-414-11	s CONVERTER UNIT, DC-DC
109	1-563-929-11	s CONNECTOR, 4P FEMALE "DC OUT"
110	1-572-042-11	s SWITCH, SLIDE
111	1-573-590-13	s CONNECTOR, S-TERMINAL 4P FEMALE "S VIDEO OUT"
112	1-673-955-11	o PRINTED WIRING BOARD, CN-1873
113	1-766-386-12	s CONNECTOR, XLR 3P FEMALE "AUDIO IN CH-1/CH2"
114	1-766-566-11	o CONNECTOR, 26P MALE "EXT VTR"
115	1-778-787-13	s CONNECTOR, COAXIAL BNC "GENLOCK IN /TC IN/TC OUT/MONITOR OUT"
116	1-778-788-12	s JACK, 2P "AUDIO OUT CH-1/CH-2"
117	1-958-497-11	s HARNESS, SUB (BATTERY)
118	3-604-359-01	o ADAPTOR, SW
119	3-604-376-01	o PLATE, CP
121	3-613-330-01	s SCREW, PRECISION +P2.6X6
122	3-613-650-01	s SPACER
123	3-679-648-02	o SPRING, COMPRESSION
124	3-679-688-02	o LEVER, RELEASE
125	3-680-952-01	o KNOB, RELEASE LEVER
126	3-711-703-01	o STOPPER
127	3-718-694-01	s PIN, PUSH BUTTON
128	3-729-076-01	s SCREW (+B 2X3)
129	3-846-067-21	o SPACER (C)
130	4-622-069-01	s SUPPORT, MODEM
131	1-958-496-12	s HARNESS, SUB (POWER LINE)
132	3-184-550-31	s SCREW, +B2.6X4
133	1-673-973-11	o PRINTED CIRCUIT BOARD, CN-1823
134	3-617-827-01	s COVER, DV
135	3-617-828-02	o BOX, DV

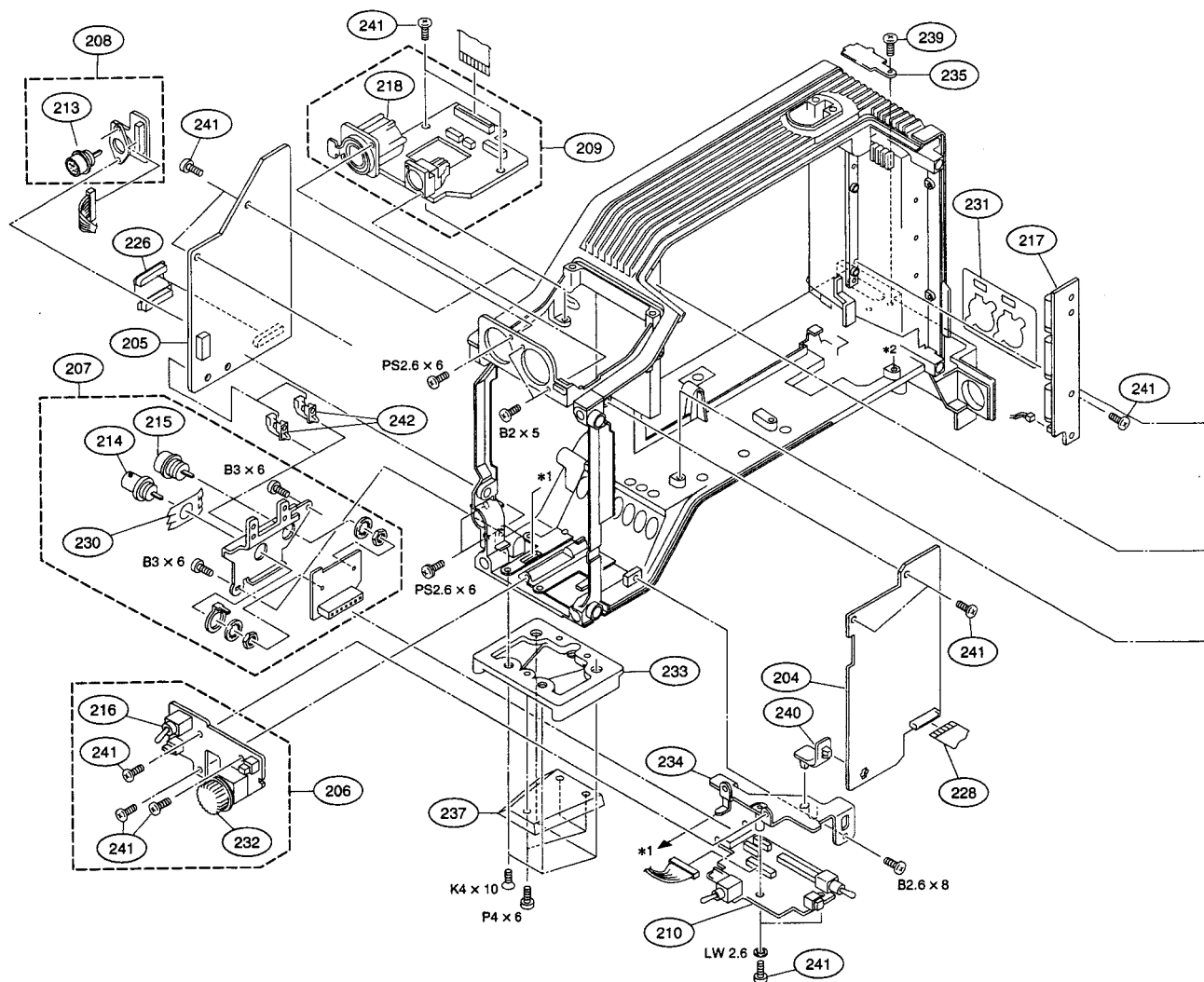


BOTTOM/REAR FRAME



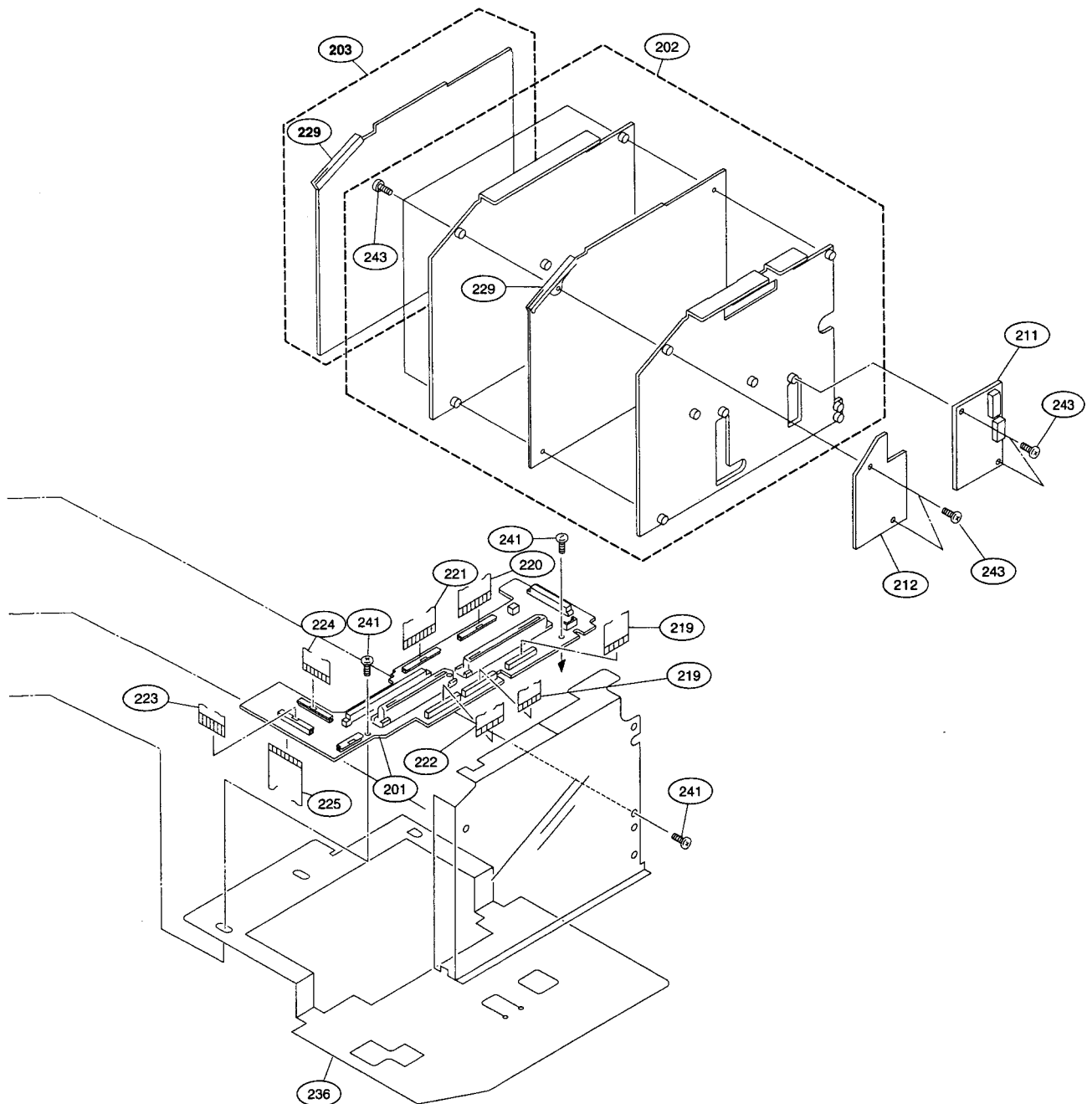
FRONT FRAME/CHASSIS BLOCK/BOARDS

No.	Part No.	SP Description	No.	Part No.	SP Description
201	A-8322-150-A	o MOUNTED CIRCUIT BOARD, MB-833	216	1-570-984-11	s SWITCH, TOGGLE
202	A-8322-183-A	s MOUNTED CIRCUIT BOARD, DPR-141	217	1-673-954-11	o PRINTED WIRING BOARD, DU-36
203	A-8322-148-A	o MOUNTED CIRCUIT BOARD, ES-26	218	1-764-394-11	s CONNECTOR, XLR 3P FEMALE "MIC IN +48V"
		[for DSR-500WS]	219	1-777-865-13	s CABLE, FLAT (40-CORE)
	A-8322-194-A	o MOUNTED CIRCUIT BOARD, ES-26(P)	220	1-777-866-12	s CABLE, FLAT (45-CORE)
		[for DSR-500WSP]			
204	A-8322-146-A	o MOUNTED CIRCUIT BOARD, VA-190	221	1-777-867-12	s CABLE, FLAT (50-CORE)
205	A-8322-144-A	o MOUNTED CIRCUIT BOARD, AT-127	222	1-783-282-14	s CABLE, FLAT (50-CORE)
			223	1-783-283-13	s CABLE, FLAT (50-CORE)
206	A-8322-177-A	o MOUNTED CIRCUIT BOARD, SW-19	224	1-790-768-11	s CABLE, FLAT (45-CORE)
207	A-8322-168-A	o MOUNTED CIRCUIT BOARD, CN-1865	225	1-783-285-13	s CABLE, FLAT (50-CORE)
208	A-8322-167-A	o MOUNTED CIRCUIT BOARD, CN-1864			
209	A-8322-165-A	o MOUNTED CIRCUIT BOARD, AA-104	226	A-8322-163-A	o MOUNTED CIRCUIT BOARD, CN-1811
210	A-8322-174-A	o MOUNTED CIRCUIT BOARD, PSW-71	228	1-783-288-13	s CABLE, FLAT (30-CORE)
			229	3-603-737-01	o LEVER, BOARD
211	A-8322-186-A	o MOUNTED CIRCUIT BOARD, DV-21	230	3-604-416-01	o SHIELD FINGER(CN)
212	A-8322-359-A	o MOUNTED CIRCUIT BOARD, VE-44			
213	1-562-221-31	s CONNECTOR, 12P FEMALE "LENS"			
214	1-562-382-31	s CONNECTOR, BNC "VIDEO OUT"			
215	1-565-443-11	s CONNECTOR, 10P FEMALE "REMOTE"			



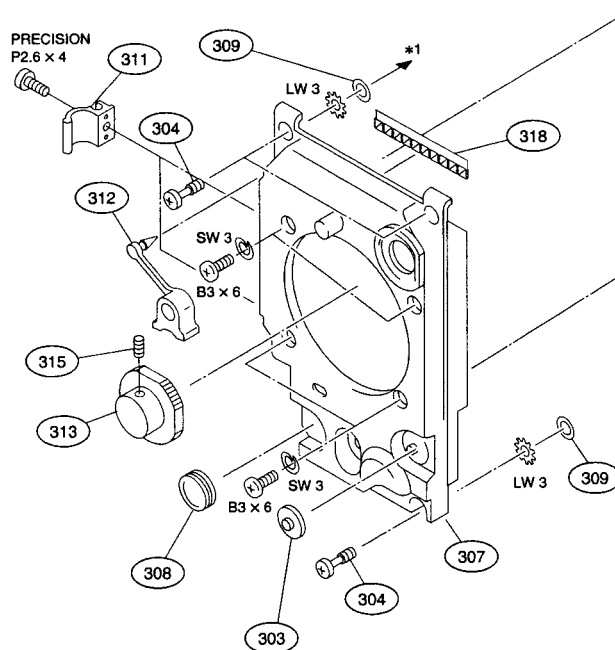
FRONT FRAME/CHASSIS BLOCK/BOARDS

No.	Part No.	SP Description
231	3-612-575-01	o LABEL, BOX
232	3-612-604-01	s KNOB, VR(AUDIO)
233	3-612-631-01	o SHOE(S), CAMERA
234	3-612-663-02	s BRACKET, PSW
235	3-612-698-02	o COVER, CN(WIRELESS)
236	3-612-743-03	s SHEET, FP
237	3-716-391-01	o WEDGE, MOUNTING
239	3-965-077-01	s SCREW, SPECIAL (M2)
240	4-313-732-00	o CLIP, HINGE, CIRCUIT BOARD
241	3-184-550-31	s SCREW, B2.6X4
242	3-175-660-01	o HINGE, PC BOARD
243	3-729-013-41	o SCREW(M1.4X3.5), WASHER HEAD(+P)



CCD BLOCK

No.	Part No.	SP Description	No.	Part No.	SP Description
301	A-8322-435-A	s CCD UNIT-R500WS(N) [for DSR-500WS]	311	3-617-819-01	s CLAMP
	A-8322-436-A	s CCD UNIT-R500WSP(P) [for DSR-500WSP]	312	3-686-269-02	s STOPPER, MOUNT
302	1-758-131-11	o FILTER UNIT, OPTICAL	313	3-710-054-01	s KNOB, FILTER
303	3-604-391-01	o COVER, SW(M)	314	3-699-048-01	s CAP, MOUNT
304	3-612-598-01	s SCREW, STEP	315	3-701-506-01	s SET SCREW, DOUBLE POINT 3X4
305	A-8322-142-A	o MOUNTED CIRCUIT BOARD, TG-204			
306	3-708-987-01	s RING, BAYONET(for DSR-500WS)	316	3-184-550-31	s SCREW, +B2.6X4
	3-708-651-01	s RING, BAYONET(for DSR-500WSP)	317	3-686-191-01	o PLATE, FILTER-ID
307	3-617-801-01	o PANEL, FRONT	318	3-604-394-01	o FINGER, SHIELD(A)
308	3-672-221-02	s PACKING, CONTROL			
309	3-672-250-01	s RING (M2.6), O			
310	3-678-629-00	s LEVER, MOUNT			



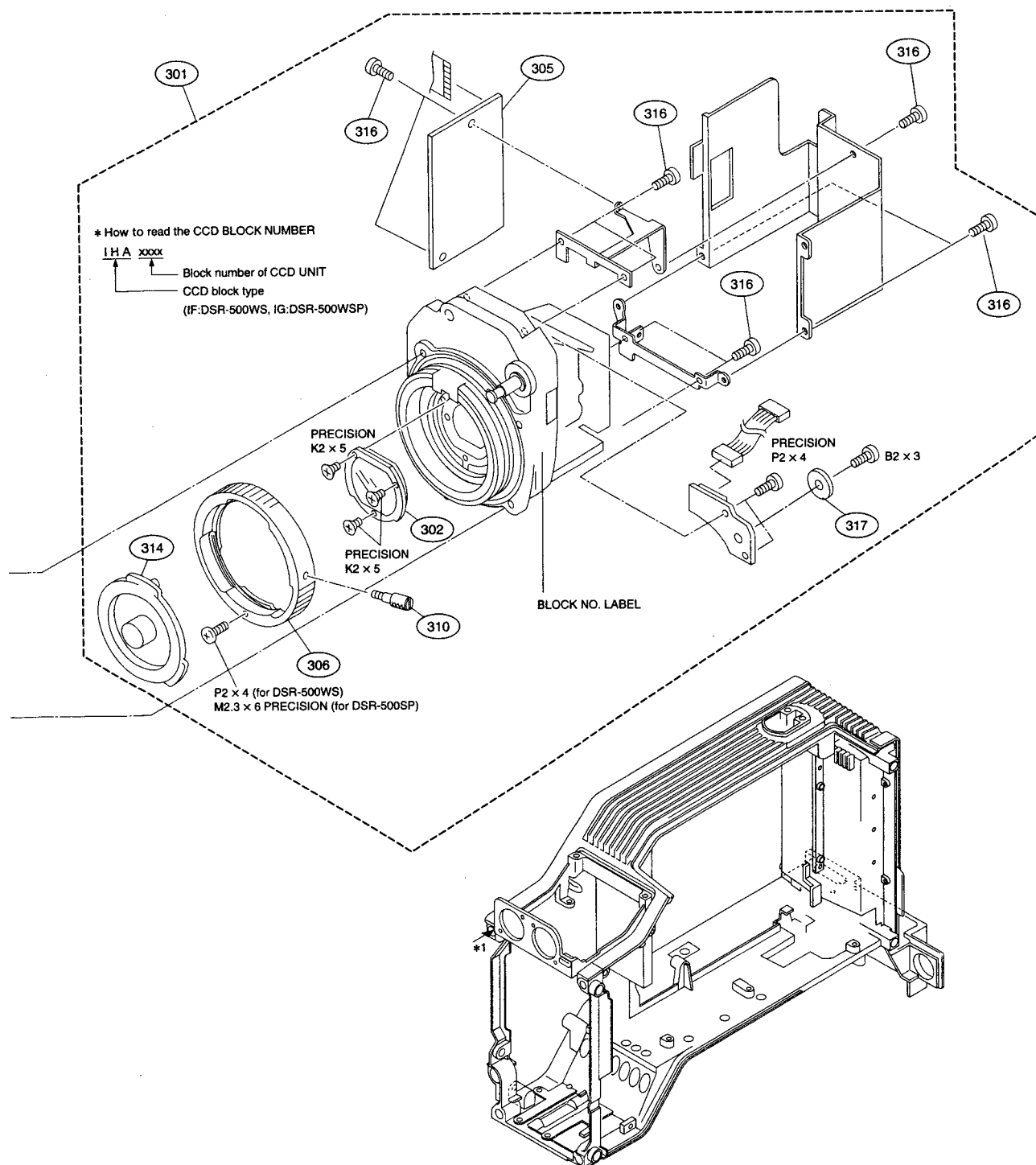
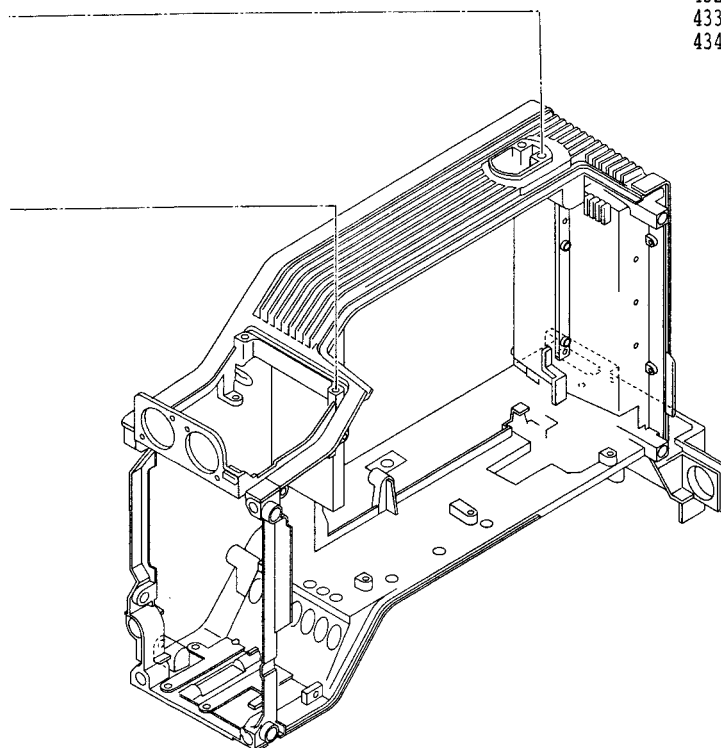
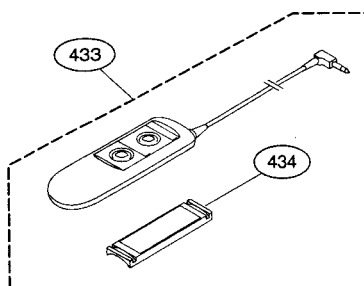


Diagram illustrating the assembly of a mechanical component, showing various parts and their assembly sequence:

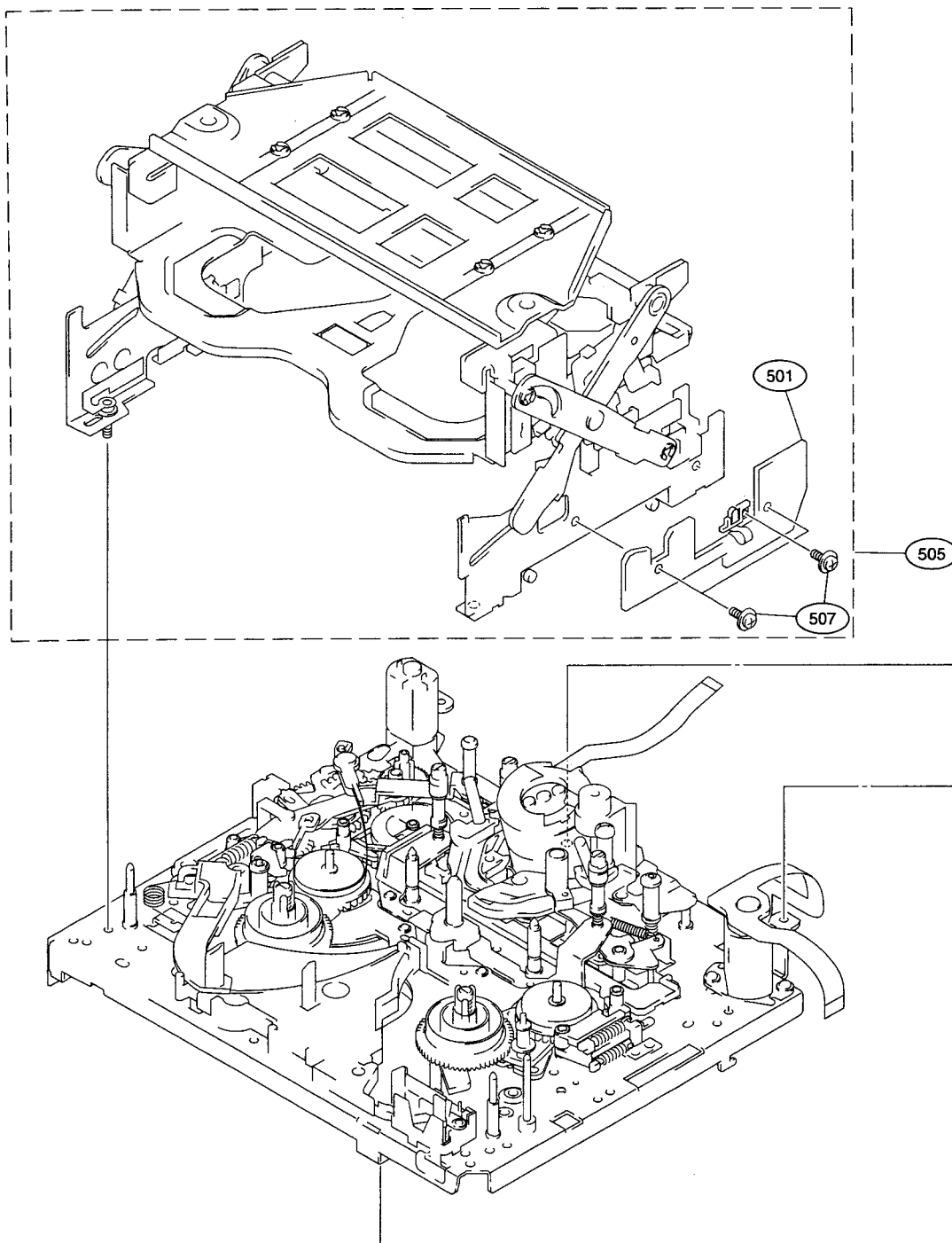
- 428, 408, 410
- 409, 401, 427, 426, 431, 416, 417, 415, 419, 411, 421, 429, 424, 425
- 412, 430, 407, 406, 432, 403, 402, 414, 423, 422, 407, 420, 418, 422, 405, 404, 432
- B3 x 5, B2.6 x 5, B3 x 8, P2 x 5, B2 x 4, W4. SMALL, BOLT HEXAGON SOCKET 3 x 25, BOLT HEXAGON SOCKET 3 x 25, SET SCREW HEXAGON SOCKET 3x4 FLAT POINT, BOLT HEXAGON SOCKET 4 x 12, B3 x 5

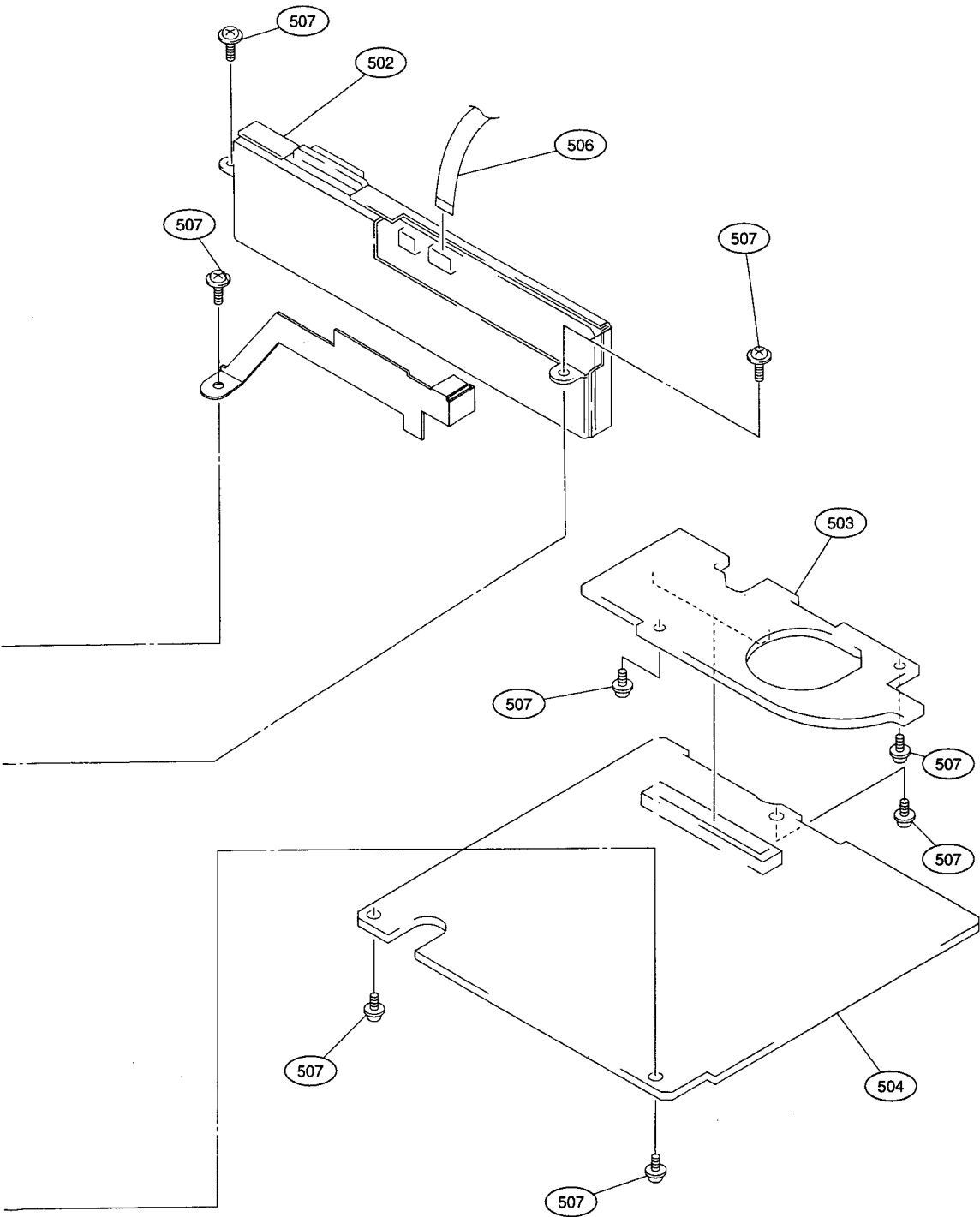
No.	Part No.	SP Description
401	A-8279-119-A	o HANDLE ASSEMBLY, SUB(W/S)
402	1-673-950-11	o PRINTED CIRCUIT BOARD, CN-1867
403	A-8322-171-A	o MOUNTED CIRCUIT BOARD, LE-221
404	A-8322-166-A	o MOUNTED CIRCUIT BOARD, SW-18
405	1-673-956-11	o PRINTED CIRCUIT BOARD, CN-1874
406	X-3605-491-1	s COVER ASSEMBLY, HANDLE(W/S)
407	X-3744-307-1	s SUSPENSION ASSEMBLY
408	1-542-296-21	o MICROPHONE
409	1-673-947-11	o PRINTED WIRING BOARD, CN-1866
410	3-179-882-01	o SPACER, MICROPHONE
411	3-612-600-01	s FIXING BASE, VF SHOE
412	3-612-624-11	s COVER, HANDLE(2)
413	3-612-629-01	s COVER, HANDLE(3)
414	3-612-632-02	s COVER, SW(H)
415	3-612-635-02	o FIXING KNOB, VF
416	3-612-664-11	s COVER, CN(ANTON)
417	3-612-665-01	o CUSHION(2)
418	3-612-701-01	o LABEL, FILTER(A)
419	3-612-822-01	s SPRING, COMPRESSION
420	3-676-244-03	s COVER, SWITCH
421	3-679-543-11	o RING(D), LOCK
422	3-679-684-01	o REST, ARM
423	3-686-197-01	o ARM, SLIDE
424	3-686-261-03	s SHOE3, SLIDE, VF
425	3-687-070-01	o WASHER, SHOE
426	3-688-754-11	s SPRING
427	3-688-755-11	s SHOE, ACCESSORY
428	3-709-096-01	s SCREEN, WIND
429	3-720-919-01	o RUBBER, LOCK RING
430	3-846-067-21	o SPACER (C)
431	3-849-405-00	s COVER, EARPHONE JACK
432	3-184-550-31	s SCREW, B2.6x4
433	1-475-344-21	o REMOTE COMMANDER (RM-LG1)
434	9-980-573-01	o HOLDER ASSEMBLY



CASSETTE COMPARTMENT/BOARDS

No.	Part No.	SP Description
501	A-8277-832-C	o MOUNTED CIRCUIT BOARD, CC-68
502	A-8277-852-A	o MOUNTED CIRCUIT BOARD, RP-91
503	A-8277-853-A	o MOUNTED CIRCUIT BOARD, HN-227
504	A-8322-140-A	o MOUNTED CIRCUIT BOARD, SV-213
505	A-8315-150-D	s CASSETTE COMPARTMENT ASSEMBLY
506	1-777-864-11	s CABLE, FLEXIBLE FLAT(20-CORE)
507	3-729-013-21	s SCREW(M1.4x2.5), WASHERHEAD(+P)





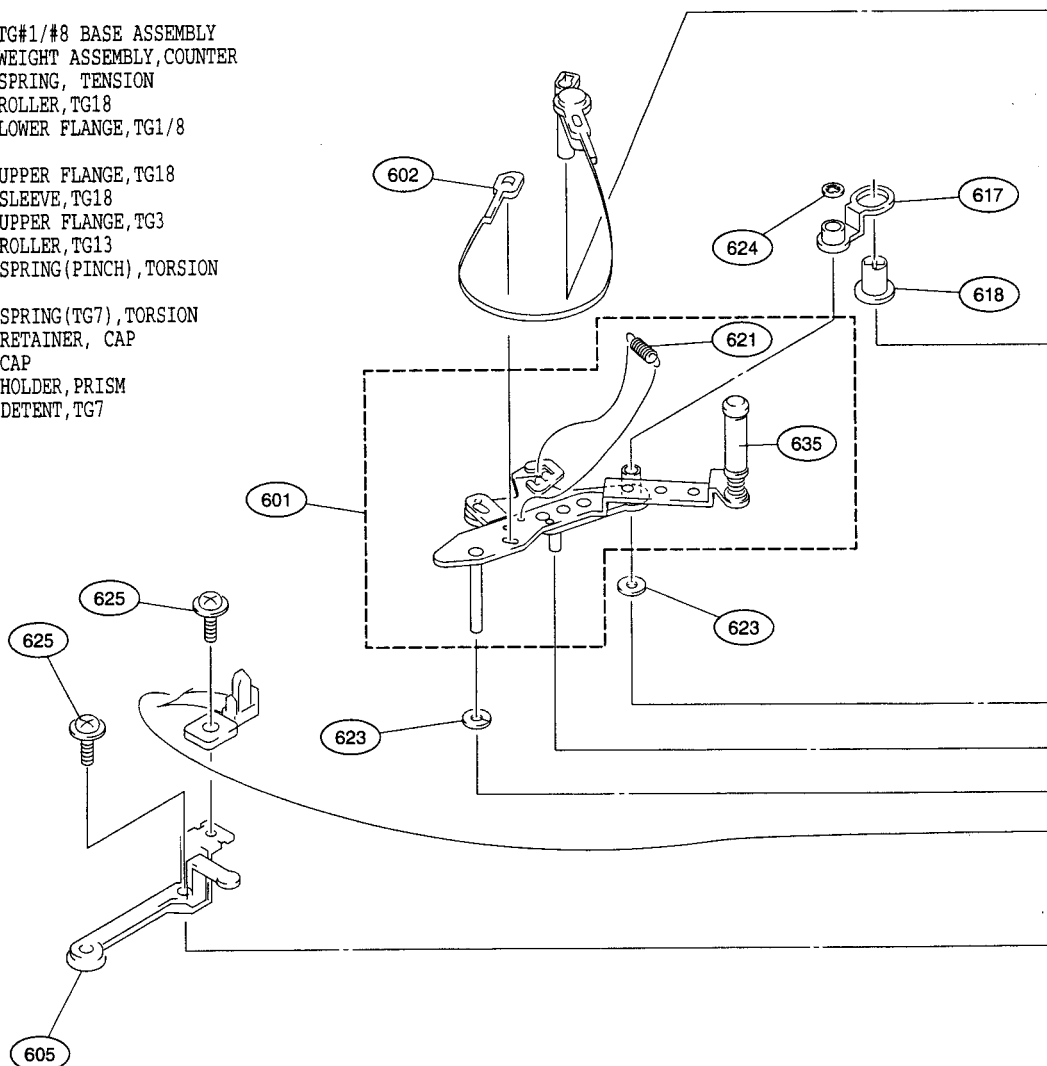
GUIDE

No.	Part No.	SP Description
601	A-8278-429-F	s ARM ASSEMBLY, TR
602	X-3678-777-2	s BAND ASSEMBLY, TR
603	X-3678-788-3	s ARM ASSEMBLY, PINCH
604	X-3678-791-2	o ARM ASSEMBLY, TG7
605	X-3678-872-1	o BRACKET ASSEMBLY, SENSOR

606	X-3678-880-1	o TG#1/#8 BASE ASSEMBLY
607	X-3678-908-1	o WEIGHT ASSEMBLY, COUNTER
608	3-548-757-00	s SPRING, TENSION
609	3-604-702-02	s ROLLER, TG18
610	3-604-703-01	s LOWER FLANGE, TG1/8

611	3-604-704-01	s UPPER FLANGE, TG18
612	3-608-304-02	s SLEEVE, TG18
613	3-973-948-01	s UPPER FLANGE, TG3
614	3-966-099-11	s ROLLER, TG13
615	3-604-796-01	o SPRING (PINCH), TORSION

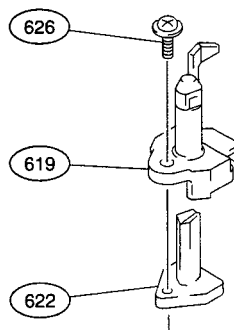
616	3-606-146-01	o SPRING (TG7), TORSION
617	3-604-832-01	s RETAINER, CAP
618	3-604-833-01	s CAP
619	3-604-861-02	o HOLDER, PRISM
620	3-604-953-01	s DETENT, TG7

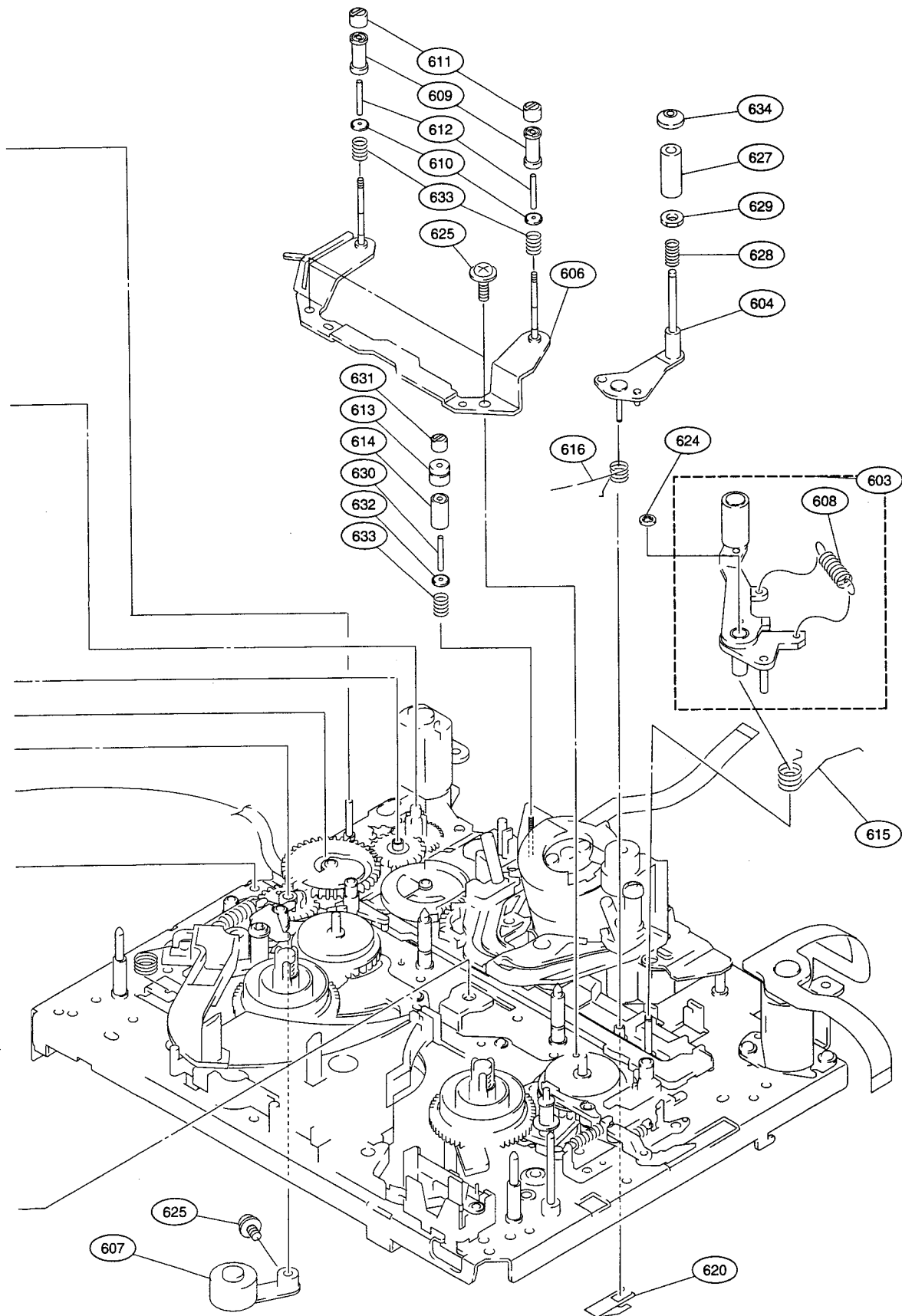


621	3-607-208-01	s (TR)9, EXTENSION
622	3-605-319-01	o PRISM
623	3-701-436-11	s WASHER, 1.6 POLYETHYLENE
624	3-726-829-01	s WASHER, STOPPER
625	3-729-013-21	s SCREW (M1.4X2.5), WASHERHEAD (+P)

626	3-729-013-61	s SCREW (M1.4X4.5), WASHERHEAD (+P)
627	3-748-777-02	s TG7
628	3-940-891-01	s SPRING, COMPRESSION
629	3-964-614-01	s FLANGE, TG7 LOWER
630	3-966-100-11	s SLEEVE, TG13

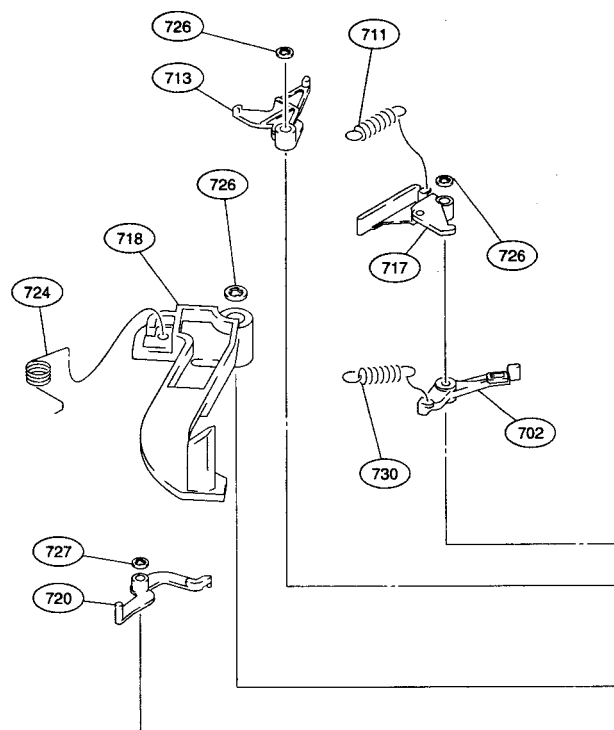
631	3-966-101-01	s NUT, TG13
632	3-966-106-01	s FLANGE, TG3 LOWER
633	3-966-107-01	s SPRING, COMPRESSION
634	3-966-194-01	s FLANGE, TG7 UPPER
635	3-604-718-01	o ROLLER, TG2



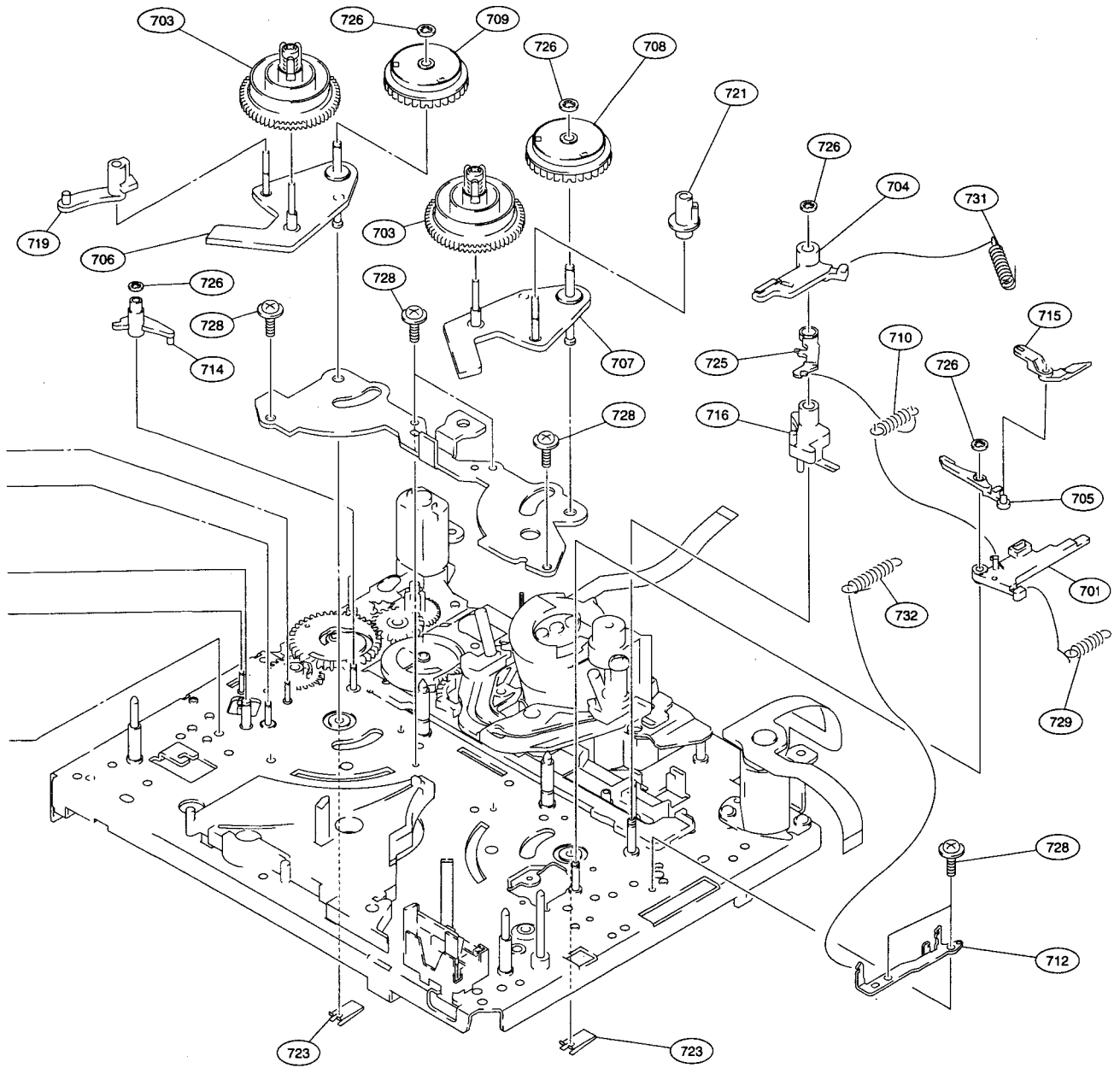


REEL/BRAKE

No.	Part No.	SP Description
701	A-8278-432-C	o ARM ASSEMBLY(T),HARD BRAKE
702	A-8278-433-A	o ARM(S)ASSEMBLY,HARD BRAKE
703	A-8311-497-C	o REEL(LARGE)ASSEMBLY
704	X-3678-869-1	s ARM(T)ASSEMBLY,SOFT BRAKE
705	X-3678-870-1	s SOFT BRAKE ASSEMBLY,TL
706	X-3678-881-3	o S PLATE ASSEMBLY,REEL
707	X-3678-882-3	o PLATE ASSEMBLY,T REEL
708	X-3678-885-1	o GEAR ASSEMBLY(T),SUB REEL
709	X-3678-886-1	o GEAR ASSEMBLY(S),SUB REEL
710	3-349-867-01	s SPRING, TENSION

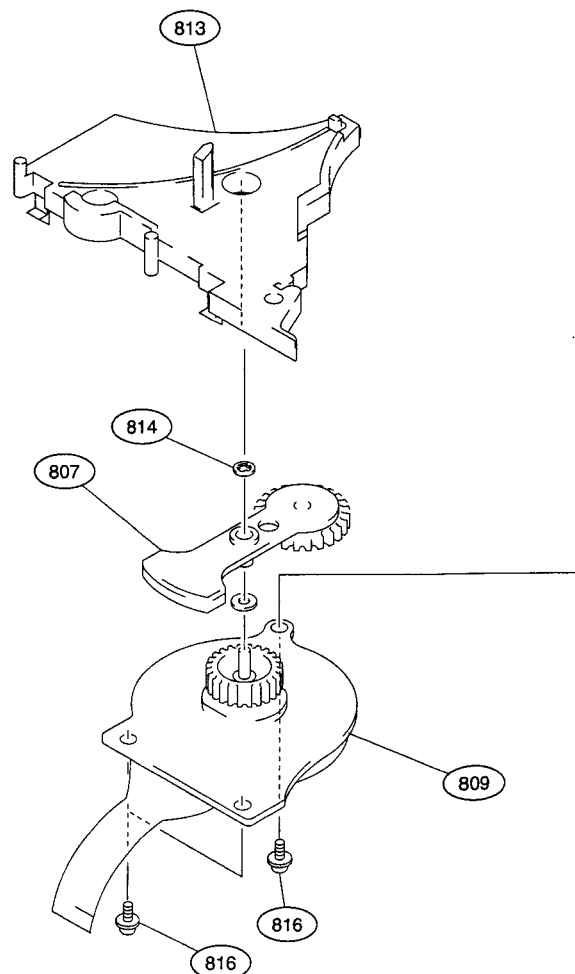
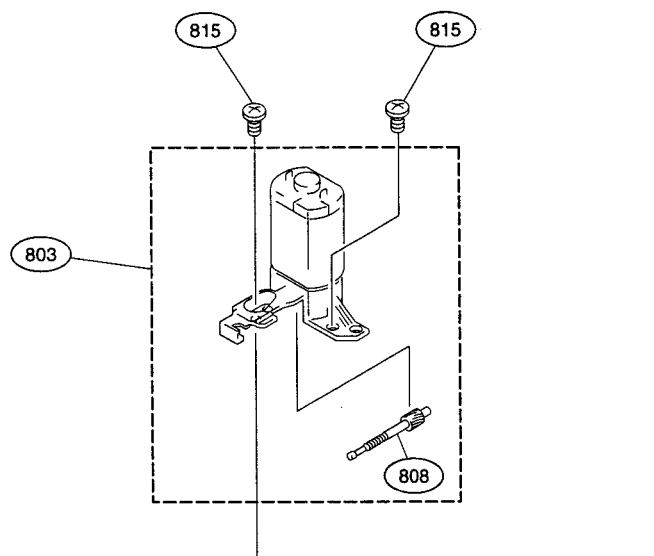


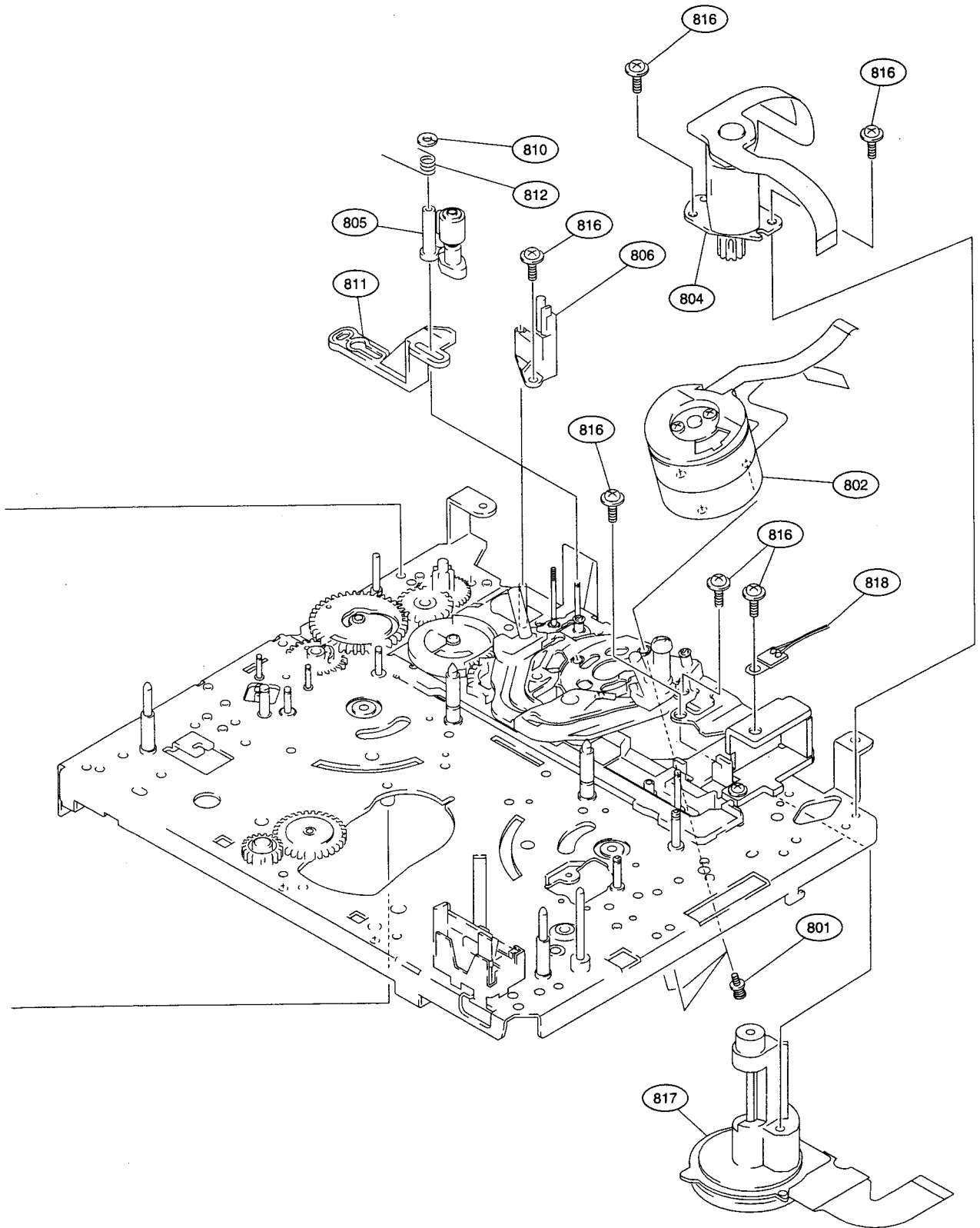
711	3-446-154-99	s SPRING, TENSION
712	3-601-330-99	o HOOK(T), SPRING
713	3-603-966-02	o ARM, LOCK RELEASE
714	3-604-851-01	o ARM, SH RELEASE
715	3-604-855-01	o LEVER, TL, RELEASE
716	3-604-860-02	o RELEASE ARM, T BRAKE
717	3-605-314-01	s ARM(S), SOFT BRAKE
718	3-605-316-01	o ROCK ARM, REEL
719	3-605-317-01	o ROCK DRIVING ARM, REEL
720	3-605-318-01	o ARM, SS RELEASE
721	3-605-320-02	o STOPPER, REEL T
722	3-605-329-01	o HOOK(S), SPRING
723	3-605-332-01	o RETAINER, REEL PLATE
724	3-605-333-01	o PRESS SPRING, REEL LOCK
725	3-606-366-01	o LEVER, BRAKE, SOFT
726	3-669-465-01	s WASHER(1.5), STOPPER
727	3-726-829-01	s WASHER, STOPPER
728	3-729-013-21	s SCREW(M1.4X2.5), WASHERHEAD(+P)
729	3-908-649-01	s SPRING(OPEN)
730	3-913-922-01	s SPRING(T RELEASE), TENSION
731	4-930-450-01	s SPRING TENSION
732	3-331-685-01	s SPRING TENSION



MOTOR

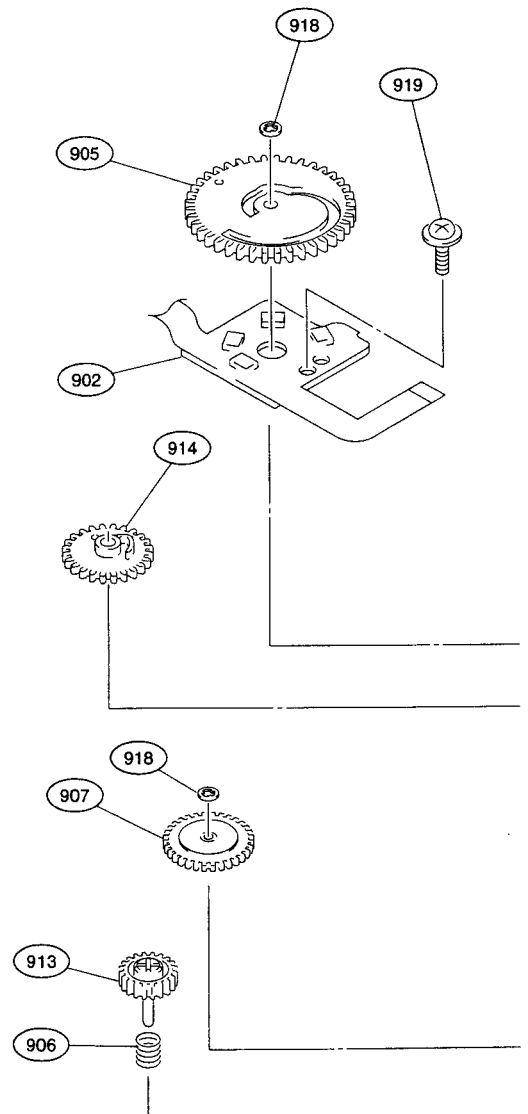
No.	Part No.	SP Description
801	A-7026-009-B	s SCREW ASSEMBLY, DRUM FITTING
802	A-7044-005-A	s DRAM ASSEMBLY, DEH-03A-R
803	A-8311-086-A	s MOTOR BLOCK ASSEMBLY, LD
804	A-8311-088-A	s MOTOR ASSEMBLY, SHIFT
805	A-8311-505-A	s C ASSEMBLY
806	3-604-834-03	o HOLLDER, TC
807	X-3678-884-1	s IDLER GEAR ASSEMBLY
808	X-3945-435-1	s SHAFT(12)ASSEMBLY, WORM
809	1-698-870-12	s MOTOR, DC(REEL)
810	3-315-414-31	s WASHER
811	3-604-708-01	o ARM(B), HC
812	3-604-797-01	o SPRING(HC), TORSION
813	3-604-864-02	o COVER, REEL ROCK
814	3-669-465-01	s WASHER(1.5), STOPPER
815	3-703-816-42	s SCREW(M1.4X2.5), SPECIAL HEAD
816	3-729-013-21	s SCREW(M1.4X2.5), WASHERHEAD(+P)
817	8-835-530-01	s MOTOR, DC SCD12A/J-N
818	1-801-756-11	s SENSOR, DEW CONDENSATION

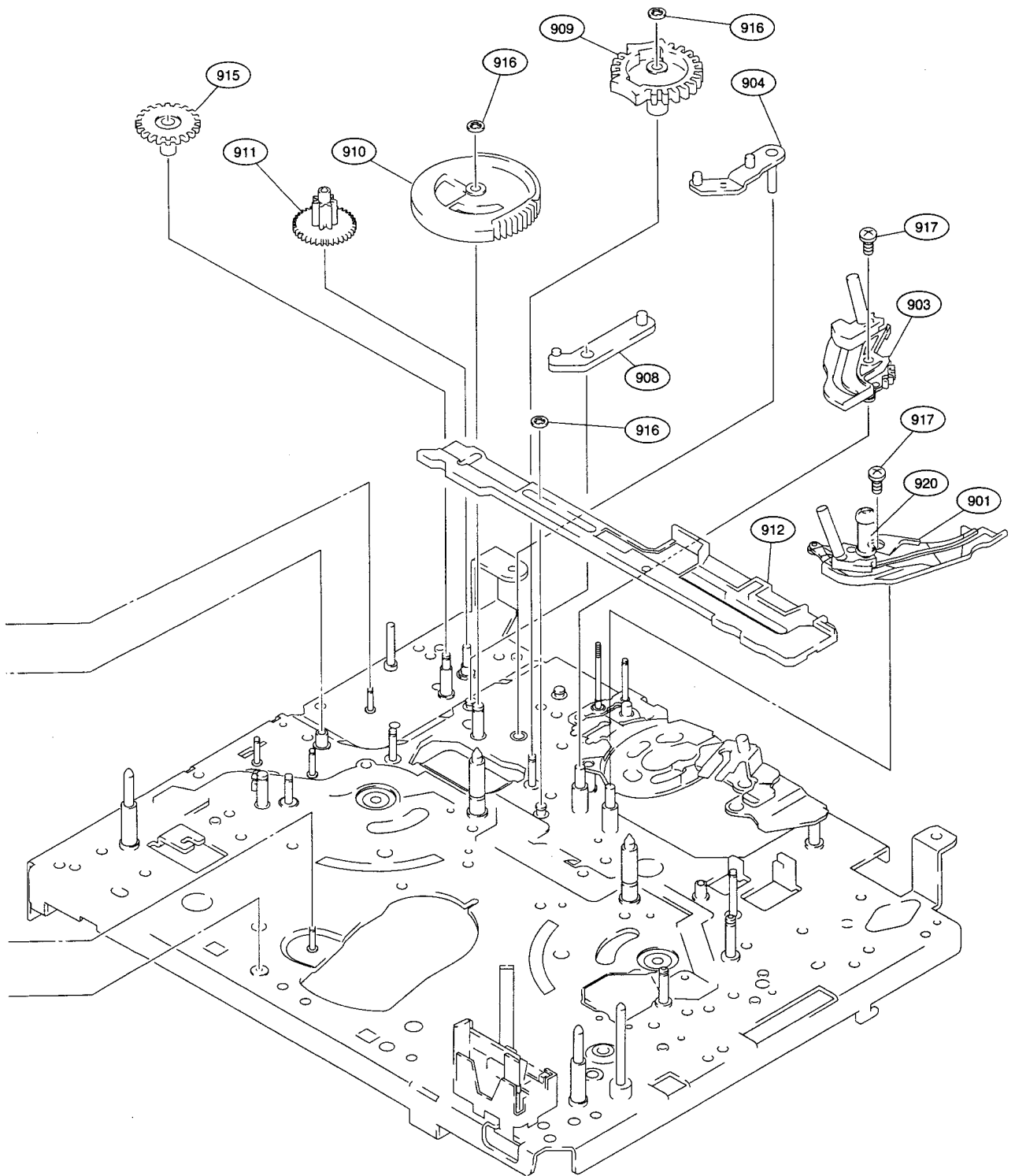




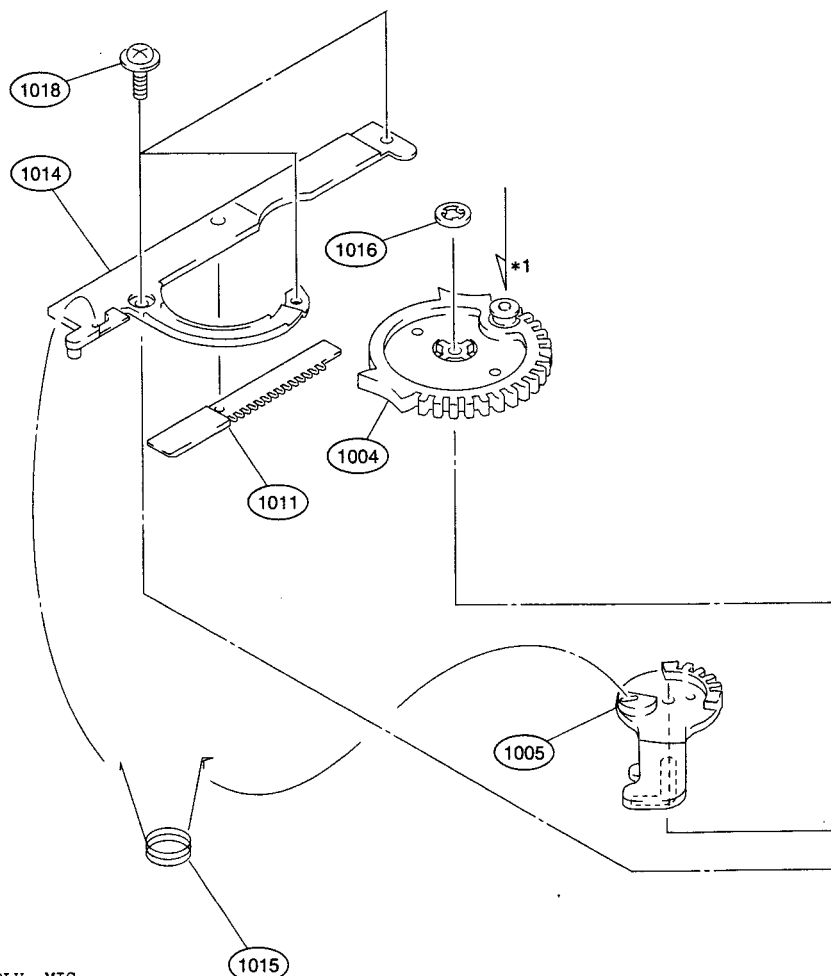
GEAR (1)

No.	Part No.	SP Description
901	A-8319-580-A	s ASSEMBLY, GL(T)
902	A-8277-830-A	o MOUNTED CIRCUIT BOARD, SE-295
903	A-8311-397-C	s ASSEMBLY, GL(S)
904	X-3678-776-3	o ARM ASSEMBLY, SLIDER
905	X-3678-794-2	o GEAR ASSEMBLY, MODE
906	3-388-596-01	s SPRING, COMPRESSION
907	3-603-969-01	o GEAR, C
908	3-604-707-01	o ARM(A), HC
909	3-604-713-01	o GEAR, THREADING
910	3-604-714-01	o GEAR, CAM
911	3-604-825-01	o GEAR, NO.1
912	3-604-829-01	o SLIDER, MODE
913	3-604-856-01	o GEAR, D
914	3-604-858-01	o CAM GEAR, RELEASE
915	X-3678-912-1	o GEAR ASSEMBLY, HC
916	3-669-465-01	s WASHER(1.5), STOPPER
917	3-703-816-42	s SCREW(M1.4X2.5), SPECIAL HEAD
918	3-726-829-01	s WASHER, STOPPER
919	3-729-013-21	s SCREW(M1.4X2.5), WASHERHEAD(+P)
920	X-3604-927-1	s TG5 ASSEMBLY 2

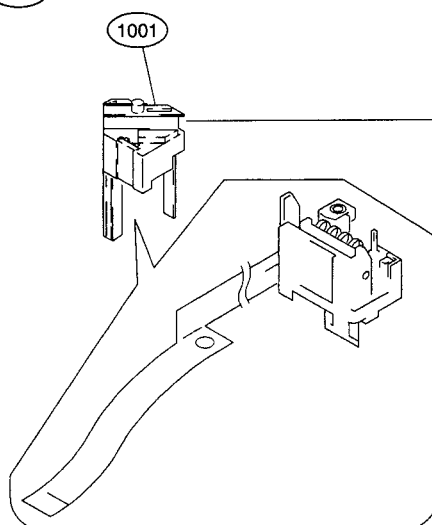


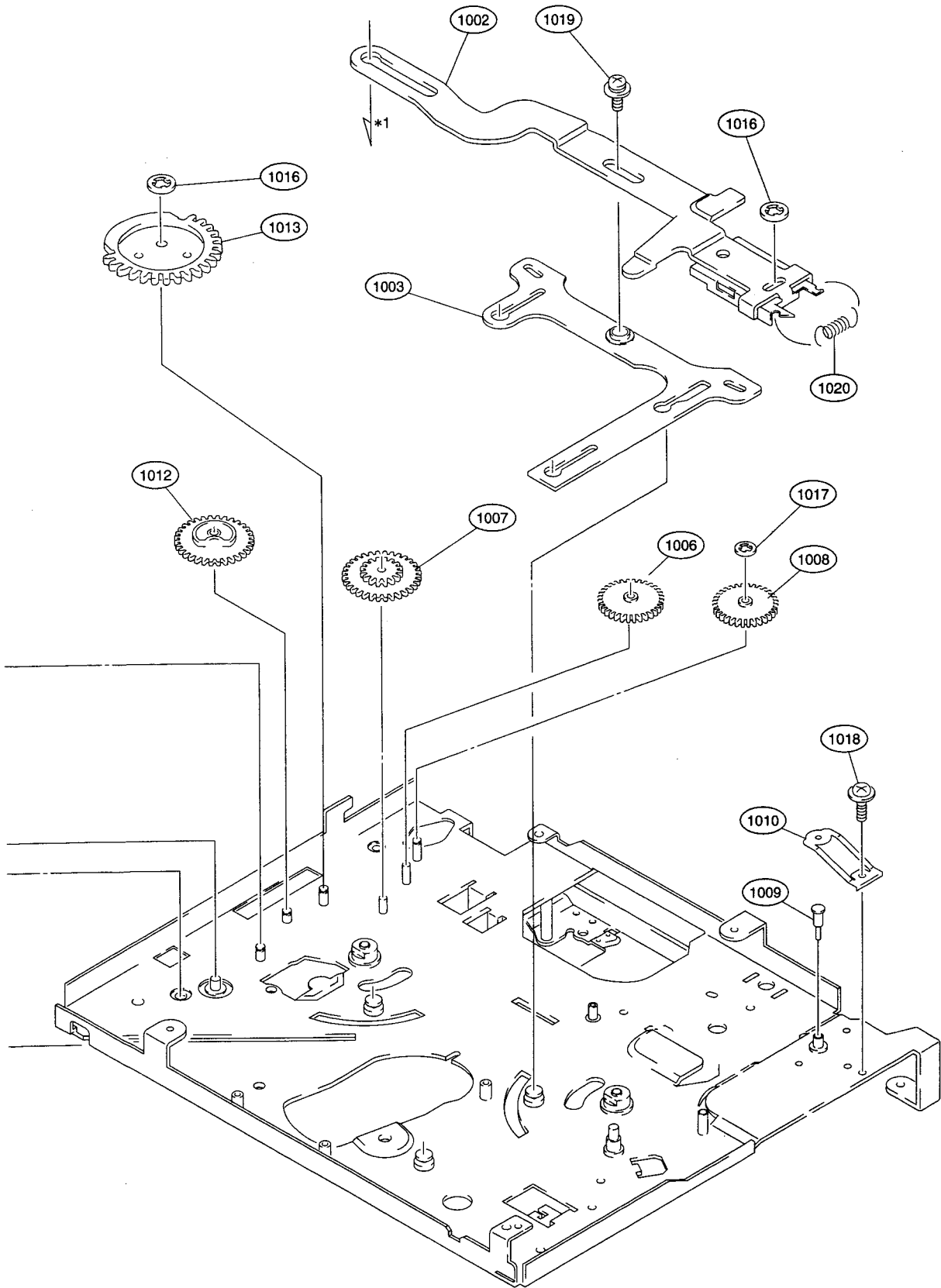


GEAR (2)



No.	Part No.	SP Description
1001	A-8311-396-C	s HOLDER(C)BLOCK ASSEMBLY, MIC
1002	X-3678-878-1	o REEL MOVE ARM ASSEMBLY
1003	X-3678-879-1	o REEL PLATE LINK ASSEMBLY
1004	X-3678-888-2	o GEAR ASSEMBLY, DRIVE B
1005	3-603-962-01	o LEVER, MIC
1006	3-603-968-01	o GEAR, B
1007	3-603-969-01	o GEAR, C
1008	3-603-970-01	o GEAR, A
1009	3-604-826-01	o SHAFT, NO.1 GEAR
1010	3-604-839-01	o DETENT, #1
1011	3-604-849-01	o RACK
1012	3-604-853-01	o GEAR, E
1013	3-605-312-01	o DRAIVING GEAR A, REEL
1014	3-605-313-01	o CASE, RACK
1015	3-605-331-01	o SPRING, COMPRESSION, MIC
1016	3-669-465-01	s WASHER(1.5), STOPPER
1017	3-726-829-01	s WASHER, STOPPER
1018	3-729-013-21	s SCREW(M1.4X2.5), WASHERHEAD(+P)
1019	3-730-141-01	s SCREW(PSW2X4)
1020	3-729-078-11	s SPRING, TENSION





1-3. ELECTRICAL PARTS LIST

AA-104 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-165-A	o MOUNTED CIRCUIT BOARD, AA-104
C501	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C502	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C503	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C504	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C505	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C506	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C507	1-104-551-11	s FILM, CHIP 0.01uF 5% 16V
C508	1-104-551-11	s FILM, CHIP 0.01uF 5% 16V
C509	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C512	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C516	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C517	1-113-500-11	s TANTALUM 100uF 20% 10V
C518	1-107-561-11	s FILM 0.01uF 5% 50V
C519	1-107-561-11	s FILM 0.01uF 5% 50V
C520	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C521	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C522	1-126-219-11	s ELECT 3.3uF 20% 63V
C523	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C524	1-126-219-11	s ELECT 3.3uF 20% 63V
C525	1-126-219-11	s ELECT 3.3uF 20% 63V
C526	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C527	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C528	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C529	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C530	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C531	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C532	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C533	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C534	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C535	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C536	1-164-161-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C537	1-164-161-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C538	1-164-161-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C540	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C543	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C545	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C546	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C547	1-163-021-91	s CERAMIC 0.01uF 10% 50V
CN501	1-691-550-11	s PIN, CONNECTOR (1.5MM) (SMD) 3P
CN502	1-565-249-11	o SOCKET, CONNECTOR
CN503	1-764-394-11	s CONNECTOR (XLR TYPE) 3P
CN504	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
CN505	1-764-177-11	o PIN, CONNECTOR (SMD) (1.5MM) 7P
CN506	1-573-806-21	s PIN, CONNECTOR (1.5MM) (SMD) 6P
D501	8-719-800-76	s DIODE 1SS226
D502	8-719-800-76	s DIODE 1SS226
D504	8-719-027-95	s DIODE HSM88WK
FB501	1-543-775-11	s FERRITE 0uH
FB502	1-543-775-11	s FERRITE 0uH
FB503	1-543-775-11	s FERRITE 0uH
FB504	1-414-445-11	s FERRITE 0uH
FB505	1-414-445-11	s FERRITE 0uH
FB506	1-414-445-11	s FERRITE 0uH
FB507	1-543-775-11	s FERRITE 0uH
FB508	1-543-775-11	s FERRITE 0uH

(AA-104 board)

Ref. No. or Q'ty	Part No.	SP Description
FB509	1-543-775-11	s FERRITE 0uH
FB510	1-414-445-11	s FERRITE 0uH
FB511	1-543-775-11	s FERRITE 0uH
FB512	1-543-775-11	s FERRITE 0uH
FB513	1-543-775-11	s FERRITE 0uH
FB514	1-543-775-11	s FERRITE 0uH
FB515	1-543-775-11	s FERRITE 0uH
FB516	1-543-775-11	s FERRITE 0uH
FB517	1-543-775-11	s FERRITE 0uH
FB518	1-543-775-11	s FERRITE 0uH
FB519	1-543-775-11	s FERRITE 0uH
FL501	1-239-077-11	s FILTER, EMI
FL502	1-239-896-12	s FILTER, EMI (SMD)
IC501	8-759-082-57	s IC TC7W04FU
IC503	8-759-050-94	s IC SN74HC165APW-E05
IC505	8-759-268-32	s IC SN74HC595ADB-E05
IC506	8-759-058-58	s IC TC7S04FU (TE85R)
IC507	8-759-173-16	s IC TL062CPW
IC508	8-759-111-56	s IC UPC4572G2
IC509	8-759-422-21	s IC NJM4580V (TE2)
IC510	8-759-530-27	s IC TC4052BFT (EL,N)
IC512	8-759-173-16	s IC TL062CPW
IC513	8-759-082-61	s IC TC4W53FU
Q503	8-729-905-35	s TRANSISTOR 2SC4081-R
Q504	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q505	8-729-905-35	s TRANSISTOR 2SC4081-R
Q506	8-729-905-35	s TRANSISTOR 2SC4081-R
Q507	8-729-905-35	s TRANSISTOR 2SC4081-R
Q508	8-729-905-35	s TRANSISTOR 2SC4081-R
R501	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R502	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R503	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R504	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R512	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R513	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R514	1-216-101-00	s METAL, CHIP 150K 5% 1/10W
R515	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W
R516	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R517	1-216-655-11	s METAL, CHIP 1.5K 0.50% 1/10W
R518	1-216-655-11	s METAL, CHIP 1.5K 0.50% 1/10W
R524	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R525	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R526	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R527	1-216-295-11	s CONDUCTOR, CHIP 0
R528	1-216-295-11	s CONDUCTOR, CHIP 0
R529	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R530	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R531	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R533	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R535	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R536	1-208-801-11	s METAL, CHIP 6.2K 0.50% 1/10W
R537	1-208-830-11	s METAL, CHIP 100K 0.50% 1/10W
R538	1-208-830-11	s METAL, CHIP 100K 0.50% 1/10W
R539	1-208-796-11	s METAL, CHIP 3.9K 0.50% 1/10W
R541	1-208-807-11	s METAL, CHIP 11K 0.50% 1/10W
R542	1-208-796-11	s METAL, CHIP 3.9K 0.50% 1/10W
R544	1-208-807-11	s METAL, CHIP 11K 0.50% 1/10W
R547	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W
R548	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W

(AA-104 board)

Ref. No. or Q'ty	Part No.	SP Description
R549	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R550	1-216-295-11	s CONDUCTOR, CHIP 0
R551	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R552	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R553	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R554	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R555	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R556	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R557	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R558	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R559	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R560	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R561	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R562	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R563	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R564	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R565	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R566	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R572	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R573	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R583	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R584	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R585	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R586	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R587	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R589	1-216-125-00	s METAL, CHIP 1.5M 5% 1/10W
R590	1-216-089-91	s METAL, CHIP 47k 5% 1/10W
R591	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R592	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R593	1-216-089-91	s METAL, CHIP 47k 5% 1/10W
RB501	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB502	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB503	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB504	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RV501	1-241-261-41	s RES, ADJ, METAL 1K

AT-127 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-144-A	o MOUNTED CIRCUIT BOARD, AT-127
1pc	3-709-100-01	o COVER, IC SOCKET
C501	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C502	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C503	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C504	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C505	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C506	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C507	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C508	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C509	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C510	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C511	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C512	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C513	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C514	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C515	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C516	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C517	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C518	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C519	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C520	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C521	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C522	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C523	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C524	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C525	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C526	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C527	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C528	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C529	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C530	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C531	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C532	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C533	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C534	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C536	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C537	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C538	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C539	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C540	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C541	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C542	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C543	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C544	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C545	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C546	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C547	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C548	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C549	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C550	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C551	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C552	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C553	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C554	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C555	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C559	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

(AT-127 board)

Ref. No. or Q'ty	Part No.	SP Description
C701	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C702	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C703	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C704	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C705	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C706	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C707	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C710	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C711	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C712	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C713	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C714	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C715	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C716	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C717	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C719	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C720	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C721	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C729	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C730	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C731	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C732	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C733	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C734	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C735	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C736	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C740	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C741	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C742	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C743	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C744	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C745	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN503	1-580-789-21	o PIN, CONNECTOR (SMD) 6P
CNI703	1-251-496-21	o SOCKET, IC
CV501	1-141-368-11	s CAP, CHIP TRIMMER 30PF
CV502	1-141-368-11	s CAP, CHIP TRIMMER 30PF
CV701	1-141-422-11	s CAP, CHIP TRIMMER 10PF
D501	8-719-029-64	s DIODE RD4.7uH-T1
D502	8-719-050-51	s DIODE RD9.1UM-T1B2
D503	8-719-421-69	s DIODE MA133
D504	8-719-421-69	s DIODE MA133
D505	8-719-421-69	s DIODE MA133
D506	8-719-421-69	s DIODE MA133
D507	8-719-421-69	s DIODE MA133
D508	8-719-421-69	s DIODE MA133
D509	8-719-421-69	s DIODE MA133
D510	8-719-421-69	s DIODE MA133
D701	8-719-975-40	s DIODE RB411D
D702	8-719-421-69	s DIODE MA133
D703	8-719-421-69	s DIODE MA133
D705	8-719-027-95	s DIODE HSM88WK
IC501	8-759-185-42	s IC LM4040AIM3-2.5
IC502	8-759-173-16	s IC TL062CPW
IC504	8-759-497-33	s IC X24645S8T2
IC506	8-759-049-76	s IC SN74HC244APW-E05
IC507	8-759-050-94	s IC SN74HC165APW-E05
IC508	8-752-381-56	s IC CXD1095AR

(AT-127 board)

Ref. No. or Q'ty	Part No.	SP Description
IC509	8-759-082-58	s IC TC7W08FU
IC510	8-759-594-35	s IC UPD6453GT-658-E2
IC511	8-759-049-98	s IC SN74HC74APW-E05
IC512	8-759-338-95	s IC NJM2903V(Te2)
IC513	8-759-257-96	s IC TC7S14FU(Te85R)
IC514	8-759-049-60	s IC SN74HC08APW-E05
IC515	8-759-082-59	s IC TC7W32FU
IC516	8-759-058-58	s IC TC7S04FU(Te85R)
IC517	8-759-082-55	s IC TC7W00FU
IC518	8-759-260-55	s IC TLC272CPW-E05
IC519	8-759-009-05	s IC MC14051BF
IC520	8-759-173-16	s IC TL062CPW
IC521	8-759-635-27	s IC M62352GP
IC522	8-759-173-16	s IC TL062CPW
IC524	8-759-082-60	s IC TC7S66FU
IC525	8-759-594-35	s IC UPD6453GT-658-E2
IC526	8-759-050-90	s IC SN74HC158APW-E05
IC527	8-759-058-64	s IC TC7S32FU(Te85R)
IC528	8-759-635-27	s IC M62352GP
IC530	8-759-082-60	s IC TC7S66FU
IC701	8-759-532-02	s IC CY62256LL-70ZC-T2
IC702	8-759-532-02	s IC CY62256LL-70ZC-T2
IC703	8-759-598-73	o IC M8M29F800BA-DSR500WSV1.01
IC704	8-759-058-58	s IC TC7S04FU(Te85R)
IC708	8-759-421-83	s IC HD6437034SC81F
IC709	8-759-542-91	s IC S-80840ANUP-ED4-T2
IC711	8-759-182-95	s IC HD151015T
IC712	8-759-196-96	s IC TC7SH08FU-TE85R
IC717	8-759-252-59	s IC MAX202CSE
IC718	8-759-082-59	s IC TC7W32FU
IC719	8-759-058-58	s IC TC7S04FU(Te85R)
IC720	8-759-082-57	s IC TC7W04FU
IC721	8-759-429-23	s IC TL16C550CPT
IC722	8-759-083-94	s IC TC7W74FU
L501	1-410-385-11	s INDUCTOR, CHIP 22uH
L502	1-410-385-11	s INDUCTOR, CHIP 22uH
L503	1-412-955-11	s INDUCTOR 22uH
L504	1-412-963-11	s INDUCTOR 100uH
L505	1-412-955-11	s INDUCTOR 22uH
L506	1-412-955-11	s INDUCTOR 22uH
L507	1-412-955-11	s INDUCTOR 22uH
L508	1-410-385-11	s INDUCTOR, CHIP 22uH
L509	1-412-955-11	s INDUCTOR 22uH
L510	1-410-385-11	s INDUCTOR, CHIP 22uH
L511	1-412-282-41	s INDUCTOR, CHIP 470UH
L512	1-412-282-41	s INDUCTOR, CHIP 470UH
L513	1-412-957-11	s INDUCTOR 33uH
L701	1-412-955-11	s INDUCTOR 22uH
L702	1-412-943-11	s INDUCTOR 2.2uH
L703	1-412-955-11	s INDUCTOR 22uH
L704	1-412-955-11	s INDUCTOR 22uH
L706	1-412-955-11	s INDUCTOR 22uH
L707	1-412-955-11	s INDUCTOR 22uH
Q501	8-729-101-07	s TRANSISTOR 2SB798
Q502	8-729-402-19	s TRANSISTOR XN6501
Q503	8-729-402-19	s TRANSISTOR XN6501
Q504	8-729-905-35	s TRANSISTOR 2SC4081-R
Q505	8-729-905-35	s TRANSISTOR 2SC4081-R

(AT-127 board)

Ref. No. or Q'ty	Part No.	SP Description
Q506	8-729-905-35	s TRANSISTOR 2SC4081-R
Q507	8-729-142-90	s TRANSISTOR 2SK853-K5
Q508	8-729-141-75	s TRANSISTOR 2SD596DV345
Q509	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q510	8-729-905-35	s TRANSISTOR 2SC4081-R
Q511	8-729-905-35	s TRANSISTOR 2SC4081-R
Q512	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q701	8-729-402-19	s TRANSISTOR XN6501
R501	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R502	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R503	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R504	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R505	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R506	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R507	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R508	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R509	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R510	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R511	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R512	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R513	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R514	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R515	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R516	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R517	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R518	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R519	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R520	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R521	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R522	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R523	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R524	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R525	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R526	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R527	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R528	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R529	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R530	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R531	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R532	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R533	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R534	1-218-882-11	s METAL, CHIP 30K 0.50% 1/16W
R535	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R536	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R537	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R538	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R539	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R540	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R541	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R542	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R543	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R544	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R545	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R546	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R547	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R548	1-218-893-11	s METAL, CHIP 82K 0.50% 1/16W
R549	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R550	1-218-893-11	s METAL, CHIP 82K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R551	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R552	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R553	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R554	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R555	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R558	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R559	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R560	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R561	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W
R562	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R563	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R564	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R565	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R566	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R567	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R568	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R569	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R570	1-218-870-11	s METAL, CHIP 9.1K 0.50% 1/16W
R571	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R572	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R573	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R574	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R575	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R576	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R577	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R578	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R579	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R580	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R581	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R582	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R583	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R585	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R586	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R587	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R588	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R589	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R590	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R591	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R592	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R593	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R594	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R595	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R596	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R597	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R598	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R599	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R601	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R602	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R616	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R617	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R618	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R619	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R620	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R621	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R622	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R623	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R624	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R625	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R626	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R627	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R628	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R629	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R630	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R701	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R704	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R705	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R706	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R707	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R708	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R709	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R711	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R712	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R713	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R714	1-218-823-11 s	METAL, CHIP 100 0.50% 1/16W
R715	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R716	1-218-823-11 s	METAL, CHIP 100 0.50% 1/16W
R717	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R718	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R719	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R722	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R724	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R725	1-218-895-11 s	METAL, CHIP 100K 0.50% 1/16W
R726	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R728	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R729	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R730	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R731	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R732	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R733	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R737	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R738	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R739	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R740	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R741	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R742	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R743	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R749	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R750	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R752	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R754	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R755	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R756	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R757	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R759	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R762	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R763	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R764	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
RB501	1-239-309-11 s	RESISTOR BLOCK, CHIP 100KX8
RB502	1-236-904-11 s	RESISTOR BLOCK, CHIP 1KX4
RB503	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB504	1-236-904-11 s	RESISTOR BLOCK, CHIP 1KX4
RB505	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB506	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB507	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB508	1-236-904-11 s	RESISTOR BLOCK, CHIP 1KX4
RB509	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4

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Ref. No. or Q'ty	Part No.	SP Description
RB505	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB506	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB507	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB508	1-236-904-11 s	RESISTOR BLOCK, CHIP 1KX4
RB509	1-236-904-11 s	RESISTOR BLOCK, CHIP 1KX4
RB510	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB701	1-239-309-11 s	RESISTOR BLOCK, CHIP 100KX8
RB702	1-239-309-11 s	RESISTOR BLOCK, CHIP 100KX8
RB703	1-236-904-11 s	RESISTOR BLOCK, CHIP 1KX4
RB704	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB705	1-239-309-11 s	RESISTOR BLOCK, CHIP 100KX8
RB706	1-239-426-11 s	RESISTOR BLOCK, CHIP 2.2KX4
RB707	1-239-412-11 s	RESISTOR BLOCK, CHIP 100
RB708	1-239-428-11 s	RESISTOR BLOCK, CHIP 3.3KX4
X702	1-760-273-11 s	CRYSTAL 20MHz

CC-68 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8277-832-C o	MOUNTED CIRCUIT BOARD, CC-68
CN1	1-750-159-21 o	CONNECTOR, FPC 5P
Q1	8-729-926-31 s	PHOTO TRANSISTOR PT483F1S
S1	1-572-288-21 s	SWITCH, PUSH
S2	1-572-288-21 s	SWITCH, PUSH

CN-1519 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-811-A o	MOUNTED CIRCUIT BOARD, CN-1519
CN2	1-766-566-11 o	CONNECTOR, ROUND TYPE (M) (26P)
FB101	1-414-552-11 s	FERRITE 0uH
FB102	1-414-552-11 s	FERRITE 0uH
FB103	1-414-552-11 s	FERRITE 0uH
FB104	1-414-552-11 s	FERRITE 0uH
FB105	1-414-552-11 s	FERRITE 0uH
FB106	1-414-552-11 s	FERRITE 0uH
FB107	1-414-552-11 s	FERRITE 0uH
FB108	1-414-552-11 s	FERRITE 0uH
FB109	1-414-552-11 s	FERRITE 0uH
FB110	1-414-552-11 s	FERRITE 0uH
FL101	1-239-896-12 s	FILTER, EMI (SMD)
FL102	1-239-896-12 s	FILTER, EMI (SMD)
FL103	1-239-896-12 s	FILTER, EMI (SMD)
FL104	1-239-896-12 s	FILTER, EMI (SMD)
FL105	1-239-896-12 s	FILTER, EMI (SMD)
FL106	1-239-896-12 s	FILTER, EMI (SMD)

CN-1811 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-163-A	s MOUNTED CIRCUIT BOARD, CN-1811

CN-1823 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-673-973-11	o PRINTED CIRCUIT BOARD, CN-1823
2pcs	7-621-771-06	s SCREW +B 2X5
CN1	1-793-304-11	s SQUARE-BUILT CONNECTOR (1394)
CN2	1-764-177-11	o PIN, CONNECTOR (SMD) (1.5MM) 7P

CN-1864 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-167-A	o MOUNTED CIRCUIT BOARD, CN-1864
C401	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C402	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C403	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C404	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C405	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C406	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C407	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C408	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C409	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C410	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C411	1-163-021-91	s CERAMIC 0.01uF 10% 50V
CN401	1-562-221-31	s CONNECTOR (ROUND TYPE) (R-F) 12P
CN402	1-695-890-21	o PIN, CONNECTOR (PC BOARD) 12P

CN-1865 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-168-A	o MOUNTED CIRCUIT BOARD, CN-1865
1pc	3-604-416-01	o SHIELD FINGER (CN)
C601	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C602	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C603	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C604	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C605	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C606	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
CN601	1-565-443-11	o CONNECTOR, 10P, FEMALE
CN602	1-690-107-11	o CONNECTOR, BOARD TO BOARD 12P
CN603	1-562-382-31	s CONNECTOR, BNC, FEMALE
FB601	1-414-445-11	s FERRITE 0uH
FB602	1-414-445-11	s FERRITE 0uH
FB603	1-414-445-11	s FERRITE 0uH
FB604	1-414-445-11	s FERRITE 0uH
FB605	1-414-445-11	s FERRITE 0uH
FL601	1-239-077-11	s FILTER, EMI
FL602	1-239-896-12	s FILTER, EMI (SMD)
FL603	1-239-896-12	s FILTER, EMI (SMD)

CN-1866 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-673-947-11	o PRINTED CIRCUIT BOARD, CN-1866
C801	1-163-009-11	s CERAMIC, CHIP 0.001uF 10% 50V
C802	1-163-009-11	s CERAMIC, CHIP 0.001uF 10% 50V
CN801	1-507-980-41	s JACK, MINI
W801	1-958-492-11	o HARNESS, SUB (CN1518)

CN-1867 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-673-950-11	o PRINTED CIRCUIT BOARD, CN-1867
C701	1-163-017-00	s CERAMIC, CHIP 0.0047uF 10% 50V
C702	1-163-017-00	s CERAMIC, CHIP 0.0047uF 10% 50V
CN701	1-507-980-41	s JACK, MINI
FB701	1-543-775-11	s FERRITE 0uH
R701	1-216-005-00	s METAL 15 5% 1/10W
R702	1-216-005-00	s METAL 15 5% 1/10W
W701	1-958-491-11	o HARNESS, SUB (CN1549)

CN-1873 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-673-955-11	o PRINTED CIRCUIT BOARD, CN-1873
CN1	1-563-929-11	s CONNECTOR, 4P, FEMALE
W1	1-958-493-11	o HARNESS, SUB (CN1693)

CN-1874 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-673-956-11	o PRINTED CIRCUIT BOARD, CN-1874
2pcs	3-709-106-01	o TERMINAL, LIGHT
1pc	3-709-108-01	o HOLDER, CONNECTOR
1pc	3-709-107-01	o HOUSING, LIGHT TERMINAL
C1	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C2	1-163-021-91	s CERAMIC 0.01uF 10% 50V
CN1	1-560-364-00	o CONNECTOR POST HEADER, ILG (2P)

CP-315 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8318-040-A	o MOUNTED CIRCUIT BOARD, CP-315
C101	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C102	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C103	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C104	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C105	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C106	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C107	1-124-261-00	s ELECT 10uF 20% 50V
C108	1-124-261-00	s ELECT 10uF 20% 50V
C109	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C110	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C111	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C112	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C113	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C114	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C115	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C116	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C117	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C118	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C119	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C120	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C121	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C122	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C123	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C124	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C125	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C126	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C127	1-124-261-00	s ELECT 10uF 20% 50V
C128	1-124-261-00	s ELECT 10uF 20% 50V
C129	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C130	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C131	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C132	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C133	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C134	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C301	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C302	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C303	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C304	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C305	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C306	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C406	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C413	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C414	1-128-548-11	s ELECT 4700uF 20% 25V
C415	1-115-339-11	s CERAMIC 0.1uF 10% 50V
CB401	△ 1-533-481-11	s BREAKER, CIRCUIT
CN1	1-750-065-11	o CONNECTOR, BOARD TO BOARD 60P
CN2	1-784-720-12	s PIN, CONNECTOR (PC BOARD TYPE)
CN3	1-560-356-00	o CONNECTOR POST HEADER, ILG (2P)
CN5	1-784-626-11	o CONNECTOR, FPC (DIP TYPE) 22P
CN6	1-580-535-11	o PIN, CONNECTOR 12P
CN7	1-580-534-11	o PIN, CONNECTOR (PC BOARD) 10P
CN8	1-566-757-11	s PIN, CONNECTOR (PC BOARD) 2P
CN9	1-506-703-11	o CONNECTOR POST HEADER, ILG (4P)
CN101	1-766-386-12	s CONNECTOR, 3P-XLR TYPE(FEMALE)
CN102	1-766-386-12	s CONNECTOR, 3P-XLR TYPE(FEMALE)
D101	8-719-820-41	s DIODE 1SS302

(CP-315 board)

Ref. No. or Q'ty	Part No.	SP Description
D102	8-719-820-41	s DIODE 1SS302
D103	8-719-820-41	s DIODE 1SS302
D104	8-719-820-41	s DIODE 1SS302
D202	8-719-820-41	s DIODE 1SS302
D203	8-719-820-41	s DIODE 1SS302
D205	8-719-820-41	s DIODE 1SS302
D206	8-719-820-41	s DIODE 1SS302
D207	8-719-820-41	s DIODE 1SS302
D208	8-719-820-41	s DIODE 1SS302
D209	8-719-820-41	s DIODE 1SS302
D210	8-719-820-41	s DIODE 1SS302
D402	8-719-911-55	s DIODE U05G
FL201	1-239-896-12	s FILTER, EMI (SMD)
FL202	1-239-896-12	s FILTER, EMI (SMD)
FL203	1-239-896-12	s FILTER, EMI (SMD)
FL204	1-239-895-11	s FILTER, EMI (SMD)
FL205	1-239-895-11	s FILTER, EMI (SMD)
FL206	1-239-895-11	s FILTER, EMI (SMD)
FL207	1-239-895-11	s FILTER, EMI (SMD)
FL208	1-239-895-11	s FILTER, EMI (SMD)
IC101	8-759-700-84	s IC NJM2041M-D
IC201	8-759-700-84	s IC NJM2041M-D
IC301	8-759-385-17	s IC NJM4580E(TE2)
L101	1-412-137-11	s INDUCTOR 10uH
L102	1-412-137-11	s INDUCTOR 10uH
L103	1-412-137-11	s INDUCTOR 10uH
L104	1-412-137-11	s INDUCTOR 10uH
M1	3-604-376-01	o PLATE, CP
M2	1-778-787-13	o CONNECTOR, COAXIAL (BNC TYPE)
M3	1-778-788-11	o JACK, 2P PIN
M4	1-573-590-13	s CONNECTOR, (S) TERMINAL 4P
M5	7-685-546-14	s SCREW +BTP 3X8 TYPE2 N-S
PS301	△ 1-533-282-21	s LINK, IC
PS401	△ 1-533-282-21	s LINK, IC
Q101	8-729-141-75	s TRANSISTOR 2SD596DV345
Q102	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q103	8-729-271-31	s TRANSISTOR 2SC2713G
Q104	8-729-271-31	s TRANSISTOR 2SC2713G
Q407	8-729-039-35	s TRANSISTOR SI9435DY-T1
Q408	8-729-039-35	s TRANSISTOR SI9435DY-T1
Q409	8-729-039-35	s TRANSISTOR SI9435DY-T1
R102	1-216-295-11	s CONDUCTOR, CHIP 0
R103	1-216-295-11	s CONDUCTOR, CHIP 0
R105	1-216-295-11	s CONDUCTOR, CHIP 0
R106	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R107	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R108	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R109	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R110	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R111	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R112	1-208-768-11	s METAL, CHIP 270 0.50% 1/10W
R113	1-208-768-11	s METAL, CHIP 270 0.50% 1/10W
R114	1-208-770-11	s METAL, CHIP 330 0.50% 1/10W
R115	1-208-770-11	s METAL, CHIP 330 0.50% 1/10W
R116	1-216-295-11	s CONDUCTOR, CHIP 0
R117	1-208-793-11	s METAL, CHIP 3K 0.50% 1/10W

(CP-315 board)

Ref. No. or Q'ty	Part No.	SP Description
R118	1-208-818-11	s METAL, CHIP 33K 0.50% 1/10W
R119	1-208-818-11	s METAL, CHIP 33K 0.50% 1/10W
R120	1-208-776-11	s METAL, CHIP 560 0.50% 1/10W
R121	1-208-778-11	s METAL, CHIP 680 0.50% 1/10W
R122	1-208-798-11	s METAL, CHIP 4.7K 0.50% 1/10W
R123	1-208-798-11	s METAL, CHIP 4.7K 0.50% 1/10W
R124	1-216-295-11	s CONDUCTOR, CHIP 0
R127	1-216-055-00	s METAL, CHIP 1.8K 5% 1/10W
R128	1-216-055-00	s METAL, CHIP 1.8K 5% 1/10W
R129	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R131	1-216-295-11	s CONDUCTOR, CHIP 0
R132	1-216-295-11	s CONDUCTOR, CHIP 0
R134	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R135	1-216-295-11	s CONDUCTOR, CHIP 0
R136	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R137	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R138	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R139	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R140	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R141	1-208-790-11	s METAL, CHIP 2.2K 0.50% 1/10W
R142	1-208-768-11	s METAL, CHIP 270 0.50% 1/10W
R143	1-208-768-11	s METAL, CHIP 270 0.50% 1/10W
R144	1-216-295-11	s CONDUCTOR, CHIP 0
R145	1-208-770-11	s METAL, CHIP 330 0.50% 1/10W
R146	1-208-770-11	s METAL, CHIP 330 0.50% 1/10W
R147	1-208-793-11	s METAL, CHIP 3K 0.50% 1/10W
R148	1-208-818-11	s METAL, CHIP 33K 0.50% 1/10W
R149	1-208-818-11	s METAL, CHIP 33K 0.50% 1/10W
R150	1-208-776-11	s METAL, CHIP 560 0.50% 1/10W
R151	1-208-778-11	s METAL, CHIP 680 0.50% 1/10W
R152	1-208-798-11	s METAL, CHIP 4.7K 0.50% 1/10W
R153	1-208-798-11	s METAL, CHIP 4.7K 0.50% 1/10W
R154	1-216-295-11	s CONDUCTOR, CHIP 0
R201	1-216-295-11	s CONDUCTOR, CHIP 0
R202	1-216-295-11	s CONDUCTOR, CHIP 0
R204	1-216-295-11	s CONDUCTOR, CHIP 0
R205	1-216-295-11	s CONDUCTOR, CHIP 0
R206	1-216-295-11	s CONDUCTOR, CHIP 0
R207	1-216-295-11	s CONDUCTOR, CHIP 0
R219	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R301	1-208-798-11	s METAL, CHIP 4.7K 0.50% 1/10W
R302	1-208-798-11	s METAL, CHIP 4.7K 0.50% 1/10W
R303	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R304	1-216-295-11	s CONDUCTOR, CHIP 0
R305	1-216-295-11	s CONDUCTOR, CHIP 0
R306	1-208-781-11	s METAL, CHIP 910 0.50% 1/10W
R307	1-216-655-11	s METAL, CHIP 1.5K 0.50% 1/10W
R308	1-208-791-11	s METAL, CHIP 2.4K 0.50% 1/10W
R309	1-216-655-11	s METAL, CHIP 1.5K 0.50% 1/10W
R310	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R311	1-208-791-11	s METAL, CHIP 2.4K 0.50% 1/10W
R312	1-216-655-11	s METAL, CHIP 1.5K 0.50% 1/10W
R415	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R418	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
S101	1-572-042-11	s SWITCH, SLIDE
S102	1-572-042-11	s SWITCH, SLIDE

DPR-141 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-183-A	s MOUNTED CIRCUIT BOARD, DPR-141
1pc	3-729-013-41	s SCREW(M1.4X3.5), WASHERHEAD(+P)
1pc	3-603-737-01	o LEVER, BOARD
4pcs	3-729-013-41	s SCREW(M1.4X3.5), WASHERHEAD(+P)
4pcs	7-622-205-05	s NUT M2 TYPE2
4pcs	7-628-253-20	s SCREW +PS 2X6
C101	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C102	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C103	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C104	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C105	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C106	1-135-180-21	s TANTALUM, CHIP 33uF 10% 10V
C107	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C108	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C109	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C110	1-135-180-21	s TANTALUM, CHIP 33uF 10% 10V
C111	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C112	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C113	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C114	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C115	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C116	1-135-180-21	s TANTALUM, CHIP 33uF 10% 10V
C117	1-135-180-21	s TANTALUM, CHIP 33uF 10% 10V
C118	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C119	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C120	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C121	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C122	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C123	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C124	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C125	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C131	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C133	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C134	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C135	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C136	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C137	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C138	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C139	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C140	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C141	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C142	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C143	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C144	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C145	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C146	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C147	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C148	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C149	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C150	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C151	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C152	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C153	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C154	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C155	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C156	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C157	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C158	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V

(DPR-141 board)

Ref. No. or Q'ty	Part No.	SP Description
C159	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C160	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C161	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C162	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C163	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C164	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C165	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C166	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C167	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C168	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C169	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C201	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C202	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C204	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C209	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C210	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C211	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C212	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C213	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C214	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C215	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C216	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C220	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C221	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C222	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C223	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C224	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C225	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C226	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C229	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C231	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C232	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C233	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C234	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C235	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C236	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C237	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C238	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C239	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C240	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C241	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C242	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C243	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C244	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C245	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C246	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C247	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C248	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C249	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C250	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C251	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C252	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C253	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C255	1-162-962-11	s CERAMIC, CHIP 470PF 10% 50V
C256	1-162-962-11	s CERAMIC, CHIP 470PF 10% 50V
C257	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C258	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C301	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C302	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

(DPR-141 board)

Ref. No. or Q'ty	Part No.	SP Description
C303	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C304	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C305	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C306	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C307	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C308	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C309	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C310	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C311	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C312	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C313	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C314	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C315	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C316	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C318	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C319	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C320	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C321	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C322	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C323	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C325	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C326	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C327	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C328	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C330	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C331	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C333	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C334	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C335	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C336	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C337	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C339	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C340	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C342	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C343	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C344	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C345	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C346	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C347	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C349	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C350	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C352	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C353	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C354	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C355	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C357	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C358	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C359	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C360	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C361	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C362	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C363	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C364	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C365	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C366	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C367	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C368	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP Description
C369	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C370	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C371	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C372	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C373	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C374	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C375	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C376	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C377	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C378	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C379	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C380	1-107-685-11	s TANTALUM, CHIP 15uF 20% 6.3V
C381	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C382	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C383	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C384	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C385	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C386	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C387	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C388	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C389	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C391	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C392	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C393	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C394	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C395	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C396	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C397	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C398	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C399	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C400	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C401	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C402	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C403	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C404	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C408	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C501	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C502	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C503	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C504	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C507	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C508	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C509	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V
C510	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C511	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C512	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C513	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C514	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C515	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C516	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C517	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C518	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C521	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C522	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C523	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C524	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C527	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C528	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C529	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP Description
C530	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C531	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C532	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C534	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C535	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C536	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C537	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C539	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C546	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C547	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C548	1-162-922-11 s	CERAMIC, CHIP 39PF 5% 50V
C549	1-162-922-11 s	CERAMIC, CHIP 39PF 5% 50V
C601	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C603	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C604	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C605	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C606	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C611	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C612	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C613	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C614	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C615	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C621	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C622	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C623	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C631	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C632	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C633	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C651	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C652	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C653	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C654	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C655	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C656	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C657	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C658	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C701	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C702	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C703	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C704	1-165-176-11 s	CERAMIC, CHIP 0.047uF 10% 16V
C705	1-135-149-21 s	TANTALUM, CHIP 2.2uF 10% 10V
C711	1-162-909-11 s	CERAMIC, CHIP 4PF 0.25PF 50V
C712	1-162-909-11 s	CERAMIC, CHIP 4PF 0.25PF 50V
C714	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C715	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C716	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C717	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C727	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C728	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C731	1-162-966-11 s	CERAMIC, CHIP 0.0022uF 10% 50V
C732	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C733	1-165-176-11 s	CERAMIC, CHIP 0.047uF 10% 16V
C734	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C735	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C736	1-135-149-21 s	TANTALUM, CHIP 2.2uF 10% 10V
C751	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C752	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C753	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C754	1-162-915-11 s	CERAMIC, CHIP 10PF 50V

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Ref. No. or Q'ty	Part No.	SP Description
C755	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C756	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C757	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C758	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C759	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C771	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C772	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C773	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C774	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C775	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C776	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C777	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C778	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C779	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C780	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C781	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C782	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C783	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C784	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C785	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C786	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C801	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C802	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C803	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C804	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C805	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C806	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C807	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C808	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C809	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C810	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C811	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C812	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C813	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C814	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C815	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C816	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C817	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C818	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C819	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C821	1-109-994-11 s	CERAMIC 2.2uF 10% 10V
C822	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C823	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C824	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C825	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C826	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C827	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C828	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C829	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C830	1-107-689-21 s	TANTALUM, CHIP 1uF 20% 35V
C831	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C832	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C833	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C834	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C835	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C836	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C837	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C901	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C902	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP Description
C903	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C904	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C905	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C906	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C907	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C908	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C909	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C910	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C911	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C912	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C913	1-164-230-11	s CERAMIC 220PF 5% 50V
C914	1-164-230-11	s CERAMIC 220PF 5% 50V
C915	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C916	1-104-547-11	s FILM, CHIP 0.0047uF 5% 16V
C917	1-104-547-11	s FILM, CHIP 0.0047uF 5% 16V
C918	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C919	1-104-547-11	s FILM, CHIP 0.0047uF 5% 16V
C920	1-104-547-11	s FILM, CHIP 0.0047uF 5% 16V
C921	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C922	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C923	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C924	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C925	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C926	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C927	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C928	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C929	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C930	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C931	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C932	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C933	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C934	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C935	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C936	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C937	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C938	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C939	1-104-546-11	s FILM 0.0039uF 5% 16V
C940	1-104-546-11	s FILM 0.0039uF 5% 16V
C941	1-164-392-11	s CERAMIC, CHIP 390PF 5% 50V
C942	1-164-392-11	s CERAMIC, CHIP 390PF 5% 50V
C943	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C944	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C945	1-162-959-11	s CERAMIC, CHIP 330PF 5% 50V
C946	1-162-959-11	s CERAMIC, CHIP 330PF 5% 50V
C947	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C948	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C949	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C950	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C951	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C952	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C954	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C955	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C956	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C957	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C958	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C959	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C960	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C961	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C962	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP Description
C963	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C964	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN3	1-770-452-21	o CONNECTOR, BOARD TO BOARD 30P
CN4	1-774-391-11	o CONNECTOR, BOARD TO BOARD 60P
CN5	1-580-267-11	o CONNECTOR, BOARD TO BOARD 20P
CN6	1-793-091-91	o CONNECTOR, BOARD TO BOARD 60P
CN7	1-785-551-21	o CONNECTOR, BOARD TO BOARD 120P
CN9	1-785-849-91	o CONNECTOR, BOARD TO BOARD 40P
D101	8-719-029-63	s DIODE RD4.3uH-T1
D102	8-719-029-63	s DIODE RD4.3uH-T1
D301	8-719-421-69	s DIODE MA133
D302	8-719-421-69	s DIODE MA133
D303	8-719-421-69	s DIODE MA133
D304	8-719-421-69	s DIODE MA133
D701	8-719-027-95	s DIODE HSM88WK
D702	8-719-041-39	s DIODE KV1470
D713	8-719-041-39	s DIODE KV1470
D714	8-719-027-95	s DIODE HSM88WK
D821	8-719-041-39	s DIODE KV1470
FB301	1-414-445-11	s FERRITE 0uH
FB302	1-414-445-11	s FERRITE 0uH
FB303	1-414-445-11	s FERRITE 0uH
FB304	1-414-445-11	s FERRITE 0uH
FL301	1-233-742-11	s FILTER, LOW PASS
FL302	1-233-740-11	s FILTER, LOW PASS
FL303	1-233-742-11	s FILTER, LOW PASS
FL304	1-233-740-11	s FILTER, LOW PASS
FL305	1-233-742-11	s FILTER, LOW PASS
FL306	1-233-740-11	s FILTER, LOW PASS
FL307	1-233-740-11	s FILTER, LOW PASS
FL501	1-233-345-21	s FILTER, LOW PASS (5.5MHZ)
FL502	1-233-776-11	s FILTER, LOW PASS
FL503	1-233-776-11	s FILTER, LOW PASS
IC101	8-759-185-42	s IC LM4040AIM3-2.5
IC102	8-759-076-06	s IC TL064CPW
IC103	8-759-173-16	s IC TL062CPW
IC104	8-759-049-58	s IC SN74HC04APW-E05
IC105	8-759-523-95	s IC TC74VHC74FT(EL)
IC106	8-752-376-32	s IC CXD2310AR
IC107	8-752-376-32	s IC CXD2310AR
IC108	8-752-376-32	s IC CXD2310AR
IC201	8-759-049-86	s IC SN74HCT244APW-E05
IC202	8-759-076-06	s IC TL064CPW
IC204	8-759-491-46	s IC TC74VHCT04AFT(EL)
IC205	8-759-196-96	s IC TC7SH08FU-TE85R
IC206	8-759-196-93	s IC TC7SH00FU-TE85R
IC208	8-759-196-96	s IC TC7SH08FU-TE85R
IC209	8-759-447-77	s IC TC7WH74FU(Te12R)
IC211	8-752-360-44	s IC CXK1203AR-T4
IC212	8-752-360-44	s IC CXK1203AR-T4
IC213	8-752-360-44	s IC CXK1203AR-T4
IC214	8-752-360-44	s IC CXK1203AR-T4
IC215	8-759-196-96	s IC TC7SH08FU-TE85R
IC217	8-759-491-46	s IC TC74VHCT04AFT(EL)
IC218	8-759-049-86	s IC SN74HCT244APW-E05
IC219	8-759-196-93	s IC TC7SH00FU-TE85R
IC301	8-759-086-41	s IC X24C02S-3.0

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Ref. No. or Q'ty	Part No.	SP Description
IC302	8-759-635-27	s IC M62352GP
IC303	8-759-523-04	s IC TC74HC4538AFT(EL)
IC304	8-759-058-58	s IC TC7S04FU(TE85R)
IC305	8-759-485-79	s IC TC7SET08FU(TE85R)
IC306	8-759-049-55	s IC SN74HC00APW-E20
IC307	8-752-363-60	s IC CXD2307R-T6
IC308	8-759-523-02	s IC TC74HC4053AFT(EL)
IC309	8-759-531-92	s IC TC7WH04FU(TE12R)
IC310	8-752-381-65	o IC CXD606-101R
IC311	8-759-485-79	s IC TC7SET08FU(TE85R)
IC312	8-759-184-64	s IC TC4W66FU
IC313	8-759-173-16	s IC TL062CPW
IC314	8-759-271-86	s IC TC7SH04FU
IC315	8-759-491-46	s IC TC74VHC04AFT(EL)
IC316	8-759-523-95	s IC TC74VHC74FT(EL)
IC317	8-759-485-79	s IC TC7SET08FU(TE85R)
IC318	8-759-546-74	s IC TC7WH157FU(TE12R)
IC319	8-752-334-64	s IC CXD1171M
IC320	8-759-196-93	s IC TC7SH00FU-TE85R
IC321	8-759-196-96	s IC TC7SH08FU-TE85R
IC324	8-759-196-93	s IC TC7SH00FU-TE85R
IC501	8-759-464-95	s IC AK6420AF-E2
IC502	8-759-498-27	s IC TK16074MTL
IC503	8-759-498-27	s IC TK16074MTL
IC504	8-759-271-86	s IC TC7SH04FU
IC505	8-759-457-61	s IC CXD8628BR
IC506	8-759-485-79	s IC TC7SET08FU(TE85R)
IC509	8-759-524-50	s IC TC74VHC541FT(EL)
IC510	8-759-271-86	s IC TC7SH04FU
IC511	8-759-386-27	s IC 74LCX04MTCX
IC512	8-759-524-50	s IC TC74VHC541FT(EL)
IC513	8-759-485-79	s IC TC7SET08FU(TE85R)
IC514	8-752-363-60	s IC CXD2307R-T6
IC517	8-759-524-04	s IC TC74VHC125FT(EL)
IC518	8-759-524-04	s IC TC74VHC125FT(EL)
IC521	8-759-196-96	s IC TC7SH08FU-TE85R
IC601	8-759-327-31	s IC CXD2183R
IC611	8-752-378-68	s IC CXD3101R
IC621	8-759-328-28	s IC ZA4024
IC631	8-759-328-28	s IC ZA4024
IC651	8-759-426-26	s IC CXD8608R
IC652	8-759-524-52	s IC TC74VHC574FT(EL)
IC653	8-759-524-52	s IC TC74VHC574FT(EL)
IC711	8-752-375-05	s IC CXD2191R
IC752	8-759-464-95	s IC AK6420AF-E2
IC771	8-759-385-90	s IC CXD2187AR
IC772	8-759-585-05	s IC CXD8627BR
IC773	8-759-082-60	s IC TC7S66FU
IC781	8-759-433-17	s IC UPD482445LG4-B10-9MH-E2-HDC
IC801	8-759-529-45	s IC IDT71V256SA15PZ-TL
IC811	8-752-374-96	s IC CXD2190R
IC821	8-759-271-86	s IC TC7SH04FU
IC822	8-759-271-86	s IC TC7SH04FU
IC823	8-759-362-16	s IC CXD2913AQ
IC824	8-759-327-01	s IC NJM062V(TE2)
IC825	8-759-429-28	s IC CXD8630R
IC826	8-759-082-60	s IC TC7S66FU
IC901	8-759-422-21	s IC NJM4580V(TE2)
IC903	8-759-357-73	s IC TL32088CNSR

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Ref. No. or Q'ty	Part No.	SP Description
IC904	8-759-357-74	s IC TLC320AD58CDWR
IC905	8-759-173-51	s IC SM5872AS-ET
IC906	8-759-422-21	s IC NJM4580V(TE2)
IC907	8-759-422-21	s IC NJM4580V(TE2)
IC908	8-759-422-21	s IC NJM4580V(TE2)
IC909	8-759-184-64	s IC TC4W66FU
IC910	8-759-184-64	s IC TC4W66FU
IC911	8-752-374-97	s IC CXD2705AR
IC912	8-759-051-48	s IC SN74HCT541APW-E05
IC913	8-759-523-94	s IC TC74VHC32PT(EL)
IC915	8-759-184-64	s IC TC4W66FU
IC916	8-759-184-64	s IC TC4W66FU
L101	1-412-951-11	s INDUCTOR 10uH
L102	1-412-951-11	s INDUCTOR 10uH
L103	1-412-951-11	s INDUCTOR 10uH
L104	1-412-951-11	s INDUCTOR 10uH
L105	1-412-951-11	s INDUCTOR 10uH
L106	1-412-951-11	s INDUCTOR 10uH
L107	1-412-951-11	s INDUCTOR 10uH
L201	1-424-643-11	s INDUCTOR 0uH
L301	1-412-955-11	s INDUCTOR 22uH
L302	1-412-955-11	s INDUCTOR 22uH
L305	1-410-385-11	s INDUCTOR, CHIP 22uH
L306	1-424-643-11	s INDUCTOR 0uH
L307	1-412-955-11	s INDUCTOR 22uH
L308	1-412-955-11	s INDUCTOR 22uH
L309	1-412-955-11	s INDUCTOR 22uH
L310	1-412-955-11	s INDUCTOR 22uH
L501	1-414-398-11	s INDUCTOR 10uH
L502	1-414-398-11	s INDUCTOR 10uH
L503	1-414-398-11	s INDUCTOR 10uH
L601	1-410-381-11	s INDUCTOR, CHIP 10uH
L611	1-414-398-11	s INDUCTOR 10uH
L651	1-414-398-11	s INDUCTOR 10uH
L701	1-410-378-11	s INDUCTOR, CHIP 5.6uH
L711	1-414-402-11	s INDUCTOR 47uH
L713	1-410-740-31	s INDUCTOR CHIP 0.82uH
L751	1-414-398-11	s INDUCTOR 10uH
L771	1-414-398-11	s INDUCTOR 10uH
L772	1-414-398-11	s INDUCTOR 10uH
L781	1-414-398-11	s INDUCTOR 10uH
L801	1-414-398-11	s INDUCTOR 10uH
L811	1-414-398-11	s INDUCTOR 10uH
L821	1-414-398-11	s INDUCTOR 10uH
L823	1-414-398-11	s INDUCTOR 10uH
L824	1-414-398-11	s INDUCTOR 10uH
L826	1-414-398-11	s INDUCTOR 10uH
L827	1-414-398-11	s INDUCTOR 10uH
L901	1-414-398-11	s INDUCTOR 10uH
L902	1-414-398-11	s INDUCTOR 10uH
L903	1-414-398-11	s INDUCTOR 10uH
L904	1-414-398-11	s INDUCTOR 10uH
L905	1-410-393-11	s INDUCTOR, CHIP 100uH
L906	1-410-393-11	s INDUCTOR, CHIP 100uH
L907	1-414-398-11	s INDUCTOR 10uH
L908	1-414-398-11	s INDUCTOR 10uH
L909	1-414-398-11	s INDUCTOR 10uH
L980	1-414-392-21	s INDUCTOR 1uH

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Ref. No. or Q'ty	Part No.	SP Description
L981	1-414-392-21	s INDUCTOR 1uH
L982	1-414-392-21	s INDUCTOR 1uH
L983	1-414-392-21	s INDUCTOR 1uH
L984	1-414-392-21	s INDUCTOR 1uH
LV825	1-411-984-11	s COIL, VARIABLE
M2	3-617-806-01	s SHEET, RADIATION(A)
M2	3-617-807-01	s SHEET, RADIATION(B)
M3	3-617-807-01	s SHEET, RADIATION(B)
M4	3-319-570-01	o SPACER (M)
Q101	8-729-101-07	s TRANSISTOR 2SB798
Q102	8-729-101-07	s TRANSISTOR 2SB798
Q103	8-729-101-07	s TRANSISTOR 2SB798
Q104	8-729-807-51	s TRANSISTOR 2SD1623-S
Q105	8-729-427-74	s TRANSISTOR XP4601
Q106	8-729-427-74	s TRANSISTOR XP4601
Q107	8-729-427-74	s TRANSISTOR XP4601
Q108	8-729-427-74	s TRANSISTOR XP4601
Q301	8-729-427-83	s TRANSISTOR XP6501
Q302	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q303	8-729-026-32	s TRANSISTOR XP6534
Q304	8-729-026-31	s TRANSISTOR XP6435
Q305	8-729-427-83	s TRANSISTOR XP6501
Q306	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q307	8-729-026-32	s TRANSISTOR XP6534
Q308	8-729-026-31	s TRANSISTOR XP6435
Q309	8-729-427-83	s TRANSISTOR XP6501
Q310	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q311	8-729-026-32	s TRANSISTOR XP6534
Q312	8-729-026-31	s TRANSISTOR XP6435
Q313	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q501	8-729-905-35	s TRANSISTOR 2SC4081-R
Q502	8-729-905-35	s TRANSISTOR 2SC4081-R
Q503	8-729-905-35	s TRANSISTOR 2SC4081-R
Q504	8-729-905-35	s TRANSISTOR 2SC4081-R
Q505	8-729-905-35	s TRANSISTOR 2SC4081-R
Q506	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q507	8-729-927-65	s TRANSISTOR UMT1
Q508	8-729-927-65	s TRANSISTOR UMT1
Q823	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q901	8-729-015-88	s TRANSISTOR UMC3TL
Q902	8-729-013-37	s TRANSISTOR 2SC4213-AB-TE85L
Q903	8-729-013-37	s TRANSISTOR 2SC4213-AB-TE85L
Q904	8-729-013-37	s TRANSISTOR 2SC4213-AB-TE85L
Q905	8-729-013-37	s TRANSISTOR 2SC4213-AB-TE85L
Q906	8-729-015-88	s TRANSISTOR UMC3TL
R101	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R102	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R103	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R104	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R105	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R106	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R107	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R108	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R109	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R110	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R111	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R112	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R113	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R114	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R115	1-218-884-11	s METAL, CHIP 36K 0.50% 1/16W
R116	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R117	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R118	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R119	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R120	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R121	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R122	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R123	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R124	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R125	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R126	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R128	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R130	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R131	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R133	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R134	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R136	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R137	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R138	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R139	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R140	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R141	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R142	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R143	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R144	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R145	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R146	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R147	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R148	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R149	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R150	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R151	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R152	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R153	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R154	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R155	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R201	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R202	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R203	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R204	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R206	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R207	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R208	1-218-701-11	s METAL, CHIP 2.4K 0.50% 1/16W
R209	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R210	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R211	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R212	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R213	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R214	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R215	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R216	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R217	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R218	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R219	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R220	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R221	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R223	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R224	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R225	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R226	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R227	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R228	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R229	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R230	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R231	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R233	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R234	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R235	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R237	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R238	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R239	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R240	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R241	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R242	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R243	1-216-816-11 s	METAL, CHIP 390 5% 1/16W
R244	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R245	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R246	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R247	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R248	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R249	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R251	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R252	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R253	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R255	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R256	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R301	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R302	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R303	1-218-879-11 s	METAL, CHIP 22K 0.50% 1/16W
R304	1-218-887-11 s	METAL, CHIP 47K 0.50% 1/16W
R305	1-218-885-11 s	METAL, CHIP 39K 0.50% 1/16W
R306	1-218-875-11 s	METAL, CHIP 15K 0.50% 1/16W
R308	1-218-887-11 s	METAL, CHIP 47K 0.50% 1/16W
R309	1-218-885-11 s	METAL, CHIP 39K 0.50% 1/16W
R310	1-218-875-11 s	METAL, CHIP 15K 0.50% 1/16W
R312	1-218-887-11 s	METAL, CHIP 47K 0.50% 1/16W
R313	1-218-885-11 s	METAL, CHIP 39K 0.50% 1/16W
R316	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R317	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R318	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R319	1-218-823-11 s	METAL, CHIP 100 0.50% 1/16W
R320	1-218-823-11 s	METAL, CHIP 100 0.50% 1/16W
R321	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R322	1-218-827-11 s	METAL, CHIP 150 0.50% 1/16W
R323	1-218-827-11 s	METAL, CHIP 150 0.50% 1/16W
R324	1-218-827-11 s	METAL, CHIP 150 0.50% 1/16W
R325	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W
R326	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W
R327	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W
R328	1-211-977-11 s	METAL, CHIP 22 0.50% 1/16W
R329	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R330	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R331	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R332	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R333	1-211-977-11 s	METAL, CHIP 22 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R334	1-211-977-11 s	METAL, CHIP 22 0.50% 1/16W
R335	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R336	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R337	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R338	1-218-874-11 s	METAL, CHIP 13K 0.50% 1/16W
R339	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R342	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R343	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R344	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R345	1-216-801-11 s	METAL, CHIP 22 5% 1/16W
R346	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R347	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R348	1-216-801-11 s	METAL, CHIP 22 5% 1/16W
R349	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R350	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R351	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R352	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R353	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R354	1-211-977-11 s	METAL, CHIP 22 0.50% 1/16W
R355	1-211-977-11 s	METAL, CHIP 22 0.50% 1/16W
R356	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R357	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R358	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R359	1-218-874-11 s	METAL, CHIP 13K 0.50% 1/16W
R360	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R363	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R364	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R365	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R366	1-216-801-11 s	METAL, CHIP 22 5% 1/16W
R367	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R368	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R369	1-216-801-11 s	METAL, CHIP 22 5% 1/16W
R370	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R371	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R372	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R373	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R374	1-211-977-11 s	METAL, CHIP 22 0.50% 1/16W
R375	1-211-977-11 s	METAL, CHIP 22 0.50% 1/16W
R376	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R377	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R378	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R379	1-218-874-11 s	METAL, CHIP 13K 0.50% 1/16W
R380	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R383	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R384	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R385	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R386	1-216-801-11 s	METAL, CHIP 22 5% 1/16W
R387	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R388	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R389	1-216-801-11 s	METAL, CHIP 22 5% 1/16W
R390	1-218-852-11 s	METAL, CHIP 1.6K 0.50% 1/16W
R391	1-218-843-11 s	METAL, CHIP 680 0.50% 1/16W
R392	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R393	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R394	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R395	1-218-701-11 s	METAL, CHIP 2.4K 0.50% 1/16W
R396	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R397	1-218-823-11 s	METAL, CHIP 100 0.50% 1/16W
R398	1-216-809-11 s	METAL, CHIP 100 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R399	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R400	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R401	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R402	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R403	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R404	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R405	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R406	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R407	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R408	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R409	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R410	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R411	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R412	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R413	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R414	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R415	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R416	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R417	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R419	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R420	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R422	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R425	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R426	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R427	1-216-816-11	s METAL, CHIP 390 5% 1/16W
R428	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R430	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W
R431	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R432	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R433	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R434	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R435	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R436	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R437	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R438	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R439	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R441	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R444	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R501	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R502	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R503	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R504	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R505	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R506	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R507	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R508	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R509	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R510	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R511	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R512	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R513	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R514	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R515	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R516	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R517	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R518	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R519	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R520	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R521	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R522	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R523	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R524	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R525	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R526	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R527	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R528	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R529	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R532	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R533	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R534	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R535	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R536	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R537	1-218-830-11	s METAL, CHIP 200 0.50% 1/16W
R538	1-218-830-11	s METAL, CHIP 200 0.50% 1/16W
R539	1-218-830-11	s METAL, CHIP 200 0.50% 1/16W
R540	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R541	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R542	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R543	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R544	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R545	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R548	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R550	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R551	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R552	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R553	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R559	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R560	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R561	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R563	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R564	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R565	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R568	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R569	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R571	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R572	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R573	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R575	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R602	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R616	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R617	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R651	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R658	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R701	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R702	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R703	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R704	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R705	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R706	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R707	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R708	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R709	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R711	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R712	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R713	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R715	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R720	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R723	1-216-805-11	s METAL, CHIP 47 5% 1/16W

(DPR-141 board)

Ref. No. or Q'ty	Part No.	SP Description
R724	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R725	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R726	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R727	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R728	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R729	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R730	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R731	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R732	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R733	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R734	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R751	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R752	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R753	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R754	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R755	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R758	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R759	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R760	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R761	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R763	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R764	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R765	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R766	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R767	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R771	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R772	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R776	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R777	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R778	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R779	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R801	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R802	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R803	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R804	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R805	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R806	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R807	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R808	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R809	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R811	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R812	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R813	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R814	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R815	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R816	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R817	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R818	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R819	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R820	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R821	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R822	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R823	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R824	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R825	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R826	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R827	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R828	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R829	1-216-849-11	s METAL, CHIP 220K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R830	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R901	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R902	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R904	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R906	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R907	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R908	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R909	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R910	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R911	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R912	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R913	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R914	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R915	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R916	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R917	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R918	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R919	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R920	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R921	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R922	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R923	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R924	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R925	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R926	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R927	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R928	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R929	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R930	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R931	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R932	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R933	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R934	1-218-860-11	s METAL, CHIP 3.6K 0.50% 1/16W
R935	1-218-860-11	s METAL, CHIP 3.6K 0.50% 1/16W
R936	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R937	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R939	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R940	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R941	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R942	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R943	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R944	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R945	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R946	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R947	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R948	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R949	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R952	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R953	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R954	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R955	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R957	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R958	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R959	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R960	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R962	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R963	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R964	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R965	1-216-841-11	s METAL, CHIP 47K 5% 1/16W

(DPR-141 board)

Ref. No. or Q'ty	Part No.	SP Description
R967	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R968	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R969	1-218-829-11	s METAL, CHIP 180 0.50% 1/16W
R970	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R971	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R972	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R974	1-218-829-11	s METAL, CHIP 180 0.50% 1/16W
R975	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
RB101	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB102	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB103	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB104	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB105	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB106	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB107	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB108	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB109	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB201	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB202	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB203	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB204	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB205	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB206	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB207	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB208	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB209	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB210	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB211	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB212	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB213	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB214	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB215	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB216	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB217	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB218	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB219	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB220	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB221	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB222	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB223	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB224	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB225	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB226	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB227	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB228	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB229	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB230	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB231	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB301	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB302	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB303	1-239-309-11	s RESISTOR BLOCK, CHIP 100KX8
RB304	1-239-419-11	s NETWORK RESISTOR (CHIP) 470
RB305	1-239-419-11	s NETWORK RESISTOR (CHIP) 470
RB306	1-239-711-91	s NETWORK RESISTOR (CHIP) 0
RB307	1-239-711-91	s NETWORK RESISTOR (CHIP) 0
RB501	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB503	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB504	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K

(DPR-141 board)

Ref. No. or Q'ty	Part No.	SP Description
RB505	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB506	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB507	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB508	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB509	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB510	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB511	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB512	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB513	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB514	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB515	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB516	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB517	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB518	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB519	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB520	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB521	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB522	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB611	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB711	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB712	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB713	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB753	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB755	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB756	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB771	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB772	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB774	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB775	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB802	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
X401	1-767-695-21	s OSCILLATOR, CRYSTAL
X711	1-760-654-21	s VIBRATOR, CRYSTAL
X751	1-760-655-21	s VIBRATOR, CRYSTAL

DU-36 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-673-954-11	o PRINTED CIRCUIT BOARD, DU-36
C1	1-128-339-11	s ELECT 2200uF 20% 10V
C2	1-128-339-11	s ELECT 2200uF 20% 10V
C3	1-128-339-11	s ELECT 2200uF 20% 10V
CN1	1-566-757-11	s PIN, CONNECTOR (PC BOARD) 2P

DV-21 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-186-A	o MOUNTED CIRCUIT BOARD, DV-21
C106	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C107	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C108	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C109	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C110	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C111	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C112	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C113	1-164-230-11	s CERAMIC 220PF 5% 50V
C114	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C115	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C116	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C117	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C118	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C119	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C120	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C121	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C122	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C123	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C124	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C125	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C126	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C127	1-164-346-11	s CERAMIC 1uF 16V
C128	1-164-230-11	s CERAMIC 220PF 5% 50V
C129	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN101	1-764-095-11	o PIN, CONNECTOR (PC BOARD) 10P
CN102	1-580-789-21	o PIN, CONNECTOR (SMD) 6P
CN103	1-785-846-91	o CONNECTOR, BOARD TO BOARD 40P
D101	8-719-938-72	s DIODE SB01-05CP
D102	8-719-941-86	s DIODE DAN202U
IC101	8-759-430-56	s IC CXD2194AR
IC102	8-759-432-00	s IC TSB11LV01PT-TEB
IC104	8-759-524-27	s IC TC74VHC244FT(EL)
IC105	8-759-524-04	s IC TC74VHC125FT(EL)
IC106	8-759-196-96	s IC TC7SH08FU-TE85R
IC107	8-759-445-93	s IC AK6440AM-E2
L106	1-414-398-11	s INDUCTOR 10uH
L107	1-414-398-11	s INDUCTOR 10uH
L108	1-414-398-11	s INDUCTOR 10uH
L109	1-414-392-21	s INDUCTOR 1uH
R101	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R102	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R103	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R104	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R105	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R106	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R107	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R108	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R109	1-218-840-11	s METAL, CHIP 510 0.50% 1/16W
R110	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R111	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R112	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R113	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R114	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R115	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R116	1-216-849-11	s METAL, CHIP 220K 5% 1/16W

(DV-21 board)

Ref. No. or Q'ty	Part No.	SP Description
R117	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R118	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R119	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R120	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R121	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R122	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R123	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R124	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R125	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R126	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R127	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R128	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R129	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R130	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R131	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R132	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R133	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R134	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R135	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R136	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R137	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R138	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R139	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R140	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R141	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R142	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R143	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R144	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R145	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R146	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R147	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
R148	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
R149	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R150	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R151	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
R152	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
RB101	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
X101	1-760-735-11	s VIBRATOR, CRYSTAL
X102	1-579-922-11	s VIBRATOR, CRYSTAL (CHIP TYPE)

ES-26/26P board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-148-A	o MOUNTED CIRCUIT BOARD, ES-26 [for DSR-500WS]
1pc	A-8322-194-A	o MOUNTED CIRCUIT BOARD, ES-26(P) [for DSR-500WSP]
1pc	3-614-239-01	o PUSH RIVETS(D=2.1)
2pcs	3-603-737-01	o LEVER, BOARD
2pcs	7-628-253-20	s SCREW +PS 2X6
2pcs	7-622-205-05	s NUT M2 TYPE2
C101	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C102	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C103	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C104	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C105	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C106	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C107	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C108	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C109	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C110	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C111	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C112	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C113	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C114	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C115	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C116	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C117	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C118	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C119	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C120	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C121	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C122	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C123	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C124	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C125	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C126	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C127	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C128	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C129	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V\
C130	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C131	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C132	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C133	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C134	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C135	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C136	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C137	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C138	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C139	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C140	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C141	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C143	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C144	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C145	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C146	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C147	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C148	1-126-391-11	s ELECT 47uF 20% 6.3V
C149	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V [for DSR-500WSP]
C150	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C151	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

(ES-26/26P board)

Ref. No. or Q'ty	Part No.	SP Description
C152	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C153	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C155	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C156	1-162-909-11	s CERAMIC, CHIP 4PF 0.25PF 50V
C157	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C158	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C159	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C160	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C161	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C162	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V\
C163	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C164	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C165	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C166	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C167	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C168	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C169	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C170	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C171	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C172	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C173	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C174	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C176	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C177	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C178	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C179	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C180	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C181	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C182	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C183	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C184	1-126-412-11	s ELECT, CHIP 220uF 20% 4V
C185	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C186	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C187	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C188	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C189	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C190	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C191	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C192	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V [for DSR-500WS]
C192	1-162-926-11	s CERAMIC, CHIP 82PF 5% 50V [for DSR-500WSP]
C193	1-162-911-11	s CERAMIC, CHIP 6PF 50V [for DSR-500WS]
C193	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V [for DSR-500WSP]
C195	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C196	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C197	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C198	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C199	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C200	1-162-913-11	s CERAMIC, CHIP 8PF 50V
C201	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C202	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C203	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C204	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C205	1-126-391-11	s ELECT 47uF 20% 6.3V
C206	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C207	1-162-906-11	s CERAMIC, CHIP 1.5PF 0.25PF 50V

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Ref. No. or Q'ty	Part No.	SP Description
C208	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C209	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C210	1-162-909-11 s	CERAMIC, CHIP 4PF 0.25PF 50V
C211	1-162-910-11 s	CERAMIC, CHIP 5PF 50V [for DSR-500WS]
C214	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C215	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C216	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C217	1-162-908-11 s	CERAMIC, CHIP 3PF 50V [for DSR-500WS]
C217	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V [for DSR-500WSP]
C218	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C219	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C220	1-113-500-11 s	TANTALUM 100uF 20% 10V
C221	1-113-500-11 s	TANTALUM 100uF 20% 10V
C401	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C402	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C403	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C404	1-115-154-11 s	ELECT 10uF 20% 16V
C405	1-115-154-11 s	ELECT 10uF 20% 16V
C406	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C407	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C408	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C410	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C411	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V
C412	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C413	1-117-139-11 s	ELECT 2.2uF 20% 35V
C414	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C415	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C416	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C417	1-117-139-11 s	ELECT 2.2uF 20% 35V
C418	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C419	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C420	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C421	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C422	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C423	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C424	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C425	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C426	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C427	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C428	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C429	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C430	1-126-395-11 s	ELECT 22uF 20% 16V
C431	1-162-911-11 s	CERAMIC, CHIP 6PF 50V
C432	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C433	1-107-682-11 s	CERAMIC 1uF 10% 16V
C434	1-107-682-11 s	CERAMIC 1uF 10% 16V
C435	1-162-965-11 s	CERAMIC, CHIP 0.0015uF 10% 50V
C436	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C437	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C601	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C602	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C603	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C604	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C605	1-164-346-11 s	CERAMIC 1uF 16V
C606	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C607	1-164-346-11 s	CERAMIC 1uF 16V

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Ref. No. or Q'ty	Part No.	SP Description
C609	1-164-346-11 s	CERAMIC 1uF 16V
C610	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C611	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C612	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C613	1-164-346-11 s	CERAMIC 1uF 16V
C614	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C615	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C616	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C617	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C618	1-164-346-11 s	CERAMIC 1uF 16V
C619	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C620	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C621	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C622	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C623	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C624	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C625	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C626	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C627	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C628	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C650	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C651	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C652	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C653	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V [for DSR-500WS]
C653	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V [for DSR-500WSP]
C654	1-162-928-11 s	CERAMIC, CHIP 120PF 5% 50V [for DSR-500WS]
C654	1-164-816-11 s	CERAMIC, CHIP 220PF 2% 50V [for DSR-500WSP]
C655	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C656	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C657	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C658	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C659	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C660	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C661	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C662	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C663	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C665	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V
C680	1-135-259-11 s	TANTALUM, CHIP 10uF 20% 6.3
C681	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C682	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C683	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C684	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C685	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C686	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C687	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C688	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C689	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C690	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C691	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C692	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C693	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C695	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V
C696	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C697	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C698	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V

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Ref. No. or Q'ty	Part No.	SP Description
C701	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C702	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C703	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C704	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C705	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C706	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C707	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C708	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C709	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V
C710	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V
C801	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C802	1-104-913-11 s	TANTALUM, CHIP 10uF 20% 16V
C803	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C804	1-115-154-11 s	ELECT 10uF 20% 16V
C805	1-126-393-11 s	ELECT, CHIP 33uF 20% 10V
C806	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V
C807	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C808	1-104-914-11 s	TANTALUM, CHIP 22uF 20% 16V
C809	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C810	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C811	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C812	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V [for DSR-500WS]
C812	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V [for DSR-500WSP]
C813	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C814	1-162-922-11 s	CERAMIC, CHIP 39PF 5% 50V
C815	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C816	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C817	1-135-210-11 s	TANTALUM, CHIP 4.7uF 20% 10V
C818	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C819	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C820	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C821	1-126-395-11 s	ELECT 22uF 20% 16V
C822	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C823	1-135-210-11 s	TANTALUM, CHIP 4.7uF 20% 10V
C824	1-126-391-11 s	ELECT 47uF 20% 6.3V
C825	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C826	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C827	1-107-689-21 s	TANTALUM, CHIP 1uF 20% 35V
C828	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C829	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C832	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C833	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C834	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C835	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C836	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C837	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C840	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C841	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V [for DSR-500WS]
C841	1-162-926-11 s	CERAMIC, CHIP 82PF 5% 50V [for DSR-500WSP]
C842	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C843	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C844	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C845	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V
C846	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C847	1-104-913-11 s	TANTALUM, CHIP 10uF 20% 16V

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Ref. No. or Q'ty	Part No.	SP Description
C848	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C849	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C850	1-104-913-11 s	TANTALUM, CHIP 10uF 20% 16V
C851	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C852	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C853	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C854	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C855	1-104-913-11 s	TANTALUM, CHIP 10uF 20% 16V
C856	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C857	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C858	1-164-739-11 s	CERAMIC, CHIP 560PF 5% 50V
C859	1-104-913-11 s	TANTALUM, CHIP 10uF 20% 16V
C860	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C861	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C862	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C863	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C864	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V [for DSR-500WS]
C864	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V [for DSR-500WSP]
C865	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C866	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V [for DSR-500WS]
C867	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for DSR-500WS]
C868	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V [for DSR-500WS]
C871	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
CP801	1-760-267-11 s	VCO, CRYSTAL 14.3818MHz [for DSR-500WS]
CP801	1-760-269-11 s	OSCILLATOR, CRYSTAL (VCO TYPE) [for DSR-500WSP]
D101	8-719-029-63 s	DIODE RD4.3uH-T1
D102	8-719-029-63 s	DIODE RD4.3uH-T1
D103	8-719-029-63 s	DIODE RD4.3uH-T1
D104	8-719-421-67 s	DIODE MA132WK
D105	8-719-059-52 s	DIODE MA3J14300LSO
D401	8-719-059-52 s	DIODE MA3J14300LSO
D402	8-719-029-55 s	DIODE RD2.0uH-T1
D405	8-719-800-76 s	DIODE 1SS226
D406	8-719-157-36 s	DIODE RD6.8M-B
D407	8-719-029-55 s	DIODE RD2.0uH-T1
D702	8-719-941-04 s	DIODE SB007-03CP
D703	8-719-059-52 s	DIODE MA3J14300LSO
D801	8-719-059-51 s	DIODE MA3J142E0LSO
D802	8-719-059-51 s	DIODE MA3J142E0LSO
D803	8-719-059-51 s	DIODE MA3J142E0LSO
D804	8-719-059-52 s	DIODE MA3J14300LSO
DL101	1-411-271-21 s	DELAY LINE
DL102	1-411-272-21 s	DELAY LINE
DL401	1-415-761-21 s	DELAY LINE, LC
DL402	1-415-760-21 s	DELAY LINE, LC
FL101	1-402-647-11 s	DELAY LINE (90 DEGREES) (NTSC) [for DSR-500WS]
FL101	1-402-646-21 s	DELAY LINE (90-degree) (PAL) [for DSR-500WSP]
FL102	1-233-737-11 s	FILTER, BAND PASS [for DSR-500WS]
FL102	1-233-738-11 s	FILTER, BAND PASS [for DSR-500WSP]
FL401	1-233-342-11 s	FILTER, TRAP

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Ref. No. or Q'ty	Part No.	SP Description
FL402	1-239-896-12	s FILTER, EMI (SMD)
FL403	1-239-896-12	s FILTER, EMI (SMD)
FL404	1-239-896-12	s FILTER, EMI (SMD)
FL405	1-239-896-12	s FILTER, EMI (SMD)
FL406	1-239-896-12	s FILTER, EMI (SMD)
FL407	1-239-896-12	s FILTER, EMI (SMD)
FL408	1-239-896-12	s FILTER, EMI (SMD)
FL601	1-233-346-21	s FILTER, BAND PASS (3.58MHZ) [for DSR-500WS]
FL601	1-233-390-21	s FILTER, BAND PASS [for DSR-500WSP]
IC101	8-759-185-42	s IC LM4040AIM3-2.5
IC102	8-759-076-06	s IC TL064CPW
IC103	8-759-086-41	s IC X24C02S-3.0
IC104	8-759-635-27	s IC M62352GP
IC105	8-759-173-16	s IC TL062CPW
IC106	8-759-635-27	s IC M62352GP
IC107	8-759-523-02	s IC TC74HC4053AFT(EL)
IC108	8-759-523-02	s IC TC74HC4053AFT(EL)
IC109	8-759-530-27	s IC TC4052BFT(EL,N)
IC110	8-759-082-61	s IC TC4W53FU
IC111	8-752-090-56	s IC CXA3178M-T4
IC112	8-759-082-61	s IC TC4W53FU
IC113	8-759-530-05	s IC TC4053BFT(EL,N)
IC114	8-759-082-61	s IC TC4W53FU
IC115	8-759-058-62	s IC TC7S08FU(TE85R)
IC116	8-759-058-58	s IC TC7S04FU(TE85R)
IC117	8-759-523-02	s IC TC74HC4053AFT(EL)
IC118	8-759-497-85	s IC QL12X16B-XPF100C-D30WS
IC119	8-759-234-20	s IC TC7S08F
IC120	8-759-058-58	s IC TC7S04FU(TE85R) [for DSR-500WSP]
IC401	8-759-082-60	s IC TC7S66FU
IC402	8-759-082-60	s IC TC7S66FU
IC403	8-759-523-02	s IC TC74HC4053AFT(EL)
IC404	8-759-058-58	s IC TC7S04FU(TE85R)
IC405	8-759-523-02	s IC TC74HC4053AFT(EL)
IC406	8-759-488-48	s IC NJM2249V(TE2)
IC407	8-759-488-48	s IC NJM2249V(TE2)
IC408	8-759-523-02	s IC TC74HC4053AFT(EL)
IC409	8-759-258-43	s IC LT1253CS8-E2
IC410	8-759-260-44	s IC LT1254CS-E2
IC411	8-759-082-61	s IC TC4W53FU
IC412	8-759-258-43	s IC LT1253CS8-E2
IC413	8-759-082-61	s IC TC4W53FU
IC414	8-759-058-58	s IC TC7S04FU(TE85R)
IC415	8-752-375-75	s IC CXD2131Q-T4
IC601	8-752-056-59	s IC CXA1592R
IC602	8-759-082-61	s IC TC4W53FU [for DSR-500WS]
IC603	8-759-082-61	s IC TC4W53FU [for DSR-500WS]
IC604	8-759-050-53	s IC SN74HCT08APW-E20
IC605	8-759-635-27	s IC M62352GP
IC606	8-759-498-26	s IC NJM2534V(TE2)
IC607	8-759-392-64	s IC AD828AR
IC608	8-752-053-21	s IC CXA1211M
IC609	8-759-498-26	s IC NJM2534V(TE2)
IC610	8-759-392-64	s IC AD828AR
IC701	8-752-054-80	s IC CXA1521M
IC702	8-759-082-61	s IC TC4W53FU
IC801	8-759-058-58	s IC TC7S04FU(TE85R)

(ES-26/26P board)

Ref. No. or Q'ty	Part No.	SP Description
IC802	8-759-101-12	s IC UPC311G2
IC803	8-759-635-27	s IC M62352GP
IC804	8-752-335-47	s IC CXD1216M
IC805	8-759-082-61	s IC TC4W53FU
IC806	8-759-510-71	s IC UPC358G2-E2
IC807	8-759-082-61	s IC TC4W53FU
IC808	8-752-341-58	s IC CXD1217Q
IC809	8-759-058-64	s IC TC7S32FU(TE85R)
IC810	8-759-058-58	s IC TC7S04FU(TE85R)
IC811	8-759-058-58	s IC TC7S04FU(TE85R) [for DSR-500WSP]
IC812	8-759-058-58	s IC TC7S04FU(TE85R)
IC813	8-759-195-81	s IC TC7S86FU
IC814	8-759-510-71	s IC UPC358G2-E2
IC815	8-759-902-88	s IC SN74LS123NS
IC816	8-759-082-61	s IC TC4W53FU
IC817	8-759-523-04	s IC TC74HC4538AFT(EL)
IC818	8-759-112-66	s IC UPC812G2
IC819	8-759-049-55	s IC SN74HC00APW-E20
IC820	8-759-295-09	s IC TLC2932IPW [for DSR-500WS]
IC821	8-759-031-84	s IC TC7S04F [for DSR-500WS]
IC822	8-759-050-10	s IC SN74HC163APW-E05 [for DSR-500WS]
IC823	8-759-050-10	s IC SN74HC163APW-E05 [for DSR-500WS]
IC824	8-759-050-10	s IC SN74HC163APW-E05 [for DSR-500WS]
IC825	8-759-058-54	s IC TC7S00FU(TE85R)
IC826	8-759-447-77	s IC TC7WH74FU(TE12R)
IC827	8-759-209-57	s IC TC4S69F
L101	1-412-280-31	s INDUCTOR 330uH
L102	1-412-959-11	s INDUCTOR 47uH
L103	1-412-959-11	s INDUCTOR 47uH
L104	1-412-959-11	s INDUCTOR 47uH
L105	1-412-280-31	s INDUCTOR 330uH
L106	1-410-392-11	s INDUCTOR, CHIP 82uH [for DSR-500WS]
L106	1-410-656-11	s INDUCTOR, CHIP 150uH [for DSR-500WSP]
L107	1-412-955-11	s INDUCTOR 22uH
L108	1-412-955-11	s INDUCTOR 22uH
L109	1-412-955-11	s INDUCTOR 22uH
L110	1-412-955-11	s INDUCTOR 22uH
L401	1-412-955-11	s INDUCTOR 22uH
L601	1-414-402-11	s INDUCTOR 47uH
L602	1-414-398-11	s INDUCTOR 10uH
L603	1-414-402-11	s INDUCTOR 47uH
L650	1-414-402-11	s INDUCTOR 47uH
L651	1-412-960-21	s INDUCTOR 56uH [for DSR-500WS]
L651	1-412-963-11	s INDUCTOR 100uH [for DSR-500WSP]
L652	1-414-404-11	s INDUCTOR 100uH
L653	1-414-404-11	s INDUCTOR 100uH
L680	1-414-404-11	s INDUCTOR 100uH
L681	1-414-404-11	s INDUCTOR 100uH
L701	1-414-402-11	s INDUCTOR 47uH
L702	1-414-402-11	s INDUCTOR 47uH
L801	1-412-955-11	s INDUCTOR 22uH
L802	1-412-955-11	s INDUCTOR 22uH
L803	1-410-656-11	s INDUCTOR, CHIP 150uH [for DSR-500WS]

(ES-26/26P board)

Ref. No. or Q'ty	Part No.	SP Description
L803	1-410-393-11 s	INDUCTOR, CHIP 100uH [for DSR-500WSP]
L804	1-412-957-11 s	INDUCTOR 33uH
L805	1-412-959-11 s	INDUCTOR 47uH
L806	1-412-959-11 s	INDUCTOR 47uH
L807	1-412-959-11 s	INDUCTOR 47uH
L808	1-412-959-11 s	INDUCTOR 47uH
L809	1-412-955-11 s	INDUCTOR 22uH
L810	1-412-955-11 s	INDUCTOR 22uH
L811	1-412-959-11 s	INDUCTOR 47uH
L812	1-412-955-11 s	INDUCTOR 22uH [for DSR-500WS]
Q101	8-729-101-07 s	TRANSISTOR 2SB798
Q102	8-729-101-07 s	TRANSISTOR 2SB798
Q103	8-729-807-51 s	TRANSISTOR 2SD1623-S
Q104	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q105	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q106	8-729-402-84 s	TRANSISTOR XN6401
Q107	8-729-402-78 s	TRANSISTOR XN6401
Q109	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q110	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q111	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q112	8-729-402-78 s	TRANSISTOR XN6401
Q113	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q114	8-729-402-84 s	TRANSISTOR XN6401
Q115	8-729-402-84 s	TRANSISTOR XN6401
Q116	8-729-402-19 s	TRANSISTOR XN6501
Q117	8-729-402-19 s	TRANSISTOR XN6501
Q118	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q119	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q120	8-729-402-84 s	TRANSISTOR XN6401
Q121	8-729-402-78 s	TRANSISTOR XN6401
Q122	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q123	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q124	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q125	8-729-402-78 s	TRANSISTOR XN6401
Q126	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q127	8-729-402-19 s	TRANSISTOR XN6501
Q128	8-729-402-84 s	TRANSISTOR XN6401
Q129	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q130	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q131	8-729-402-78 s	TRANSISTOR XN6401
Q132	8-729-402-78 s	TRANSISTOR XN6401
Q133	8-729-403-32 s	TRANSISTOR XN6534
Q134	8-729-402-84 s	TRANSISTOR XN6401
Q135	8-729-402-84 s	TRANSISTOR XN6401
Q136	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q137	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q138	8-729-402-84 s	TRANSISTOR XN6401
Q139	8-729-402-78 s	TRANSISTOR XN6401
Q140	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q141	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q142	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q143	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q144	8-729-403-29 s	TRANSISTOR XN6435
Q145	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q146	8-729-402-84 s	TRANSISTOR XN6401
Q147	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR

(ES-26/26P board)

Ref. No. or Q'ty	Part No.	SP Description
Q148	8-729-402-19 s	TRANSISTOR XN6501
Q149	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q150	8-729-403-32 s	TRANSISTOR XN6534
Q151	8-729-122-63 s	TRANSISTOR 2SA1226
Q152	8-729-402-19 s	TRANSISTOR XN6501
Q153	8-729-402-78 s	TRANSISTOR XN6401
Q154	8-729-402-19 s	TRANSISTOR XN6501
Q155	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q156	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q401	8-729-117-32 s	TRANSISTOR 2SC4177
Q402	8-729-403-29 s	TRANSISTOR XN6435
Q403	8-729-117-32 s	TRANSISTOR 2SC4177
Q404	8-729-402-19 s	TRANSISTOR XN6501
Q405	8-729-117-32 s	TRANSISTOR 2SC4177
Q406	8-729-403-32 s	TRANSISTOR XN6534
Q407	8-729-403-29 s	TRANSISTOR XN6435
Q408	8-729-402-84 s	TRANSISTOR XN6401
Q410	8-729-402-78 s	TRANSISTOR XN6401
Q411	8-729-402-84 s	TRANSISTOR XN6401
Q412	8-729-403-29 s	TRANSISTOR XN6435
Q413	8-729-403-32 s	TRANSISTOR XN6534
Q414	8-729-117-32 s	TRANSISTOR 2SC4177
Q415	8-729-403-29 s	TRANSISTOR XN6435
Q416	8-729-402-84 s	TRANSISTOR XN6401
Q417	8-729-402-84 s	TRANSISTOR XN6401
Q418	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q419	8-729-101-07 s	TRANSISTOR 2SB798
Q420	8-729-807-51 s	TRANSISTOR 2SD1623-S
Q421	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q422	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q423	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q424	8-729-402-19 s	TRANSISTOR XN6501
Q426	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q427	8-729-402-19 s	TRANSISTOR XN6501
Q428	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q429	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q430	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q601	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q602	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q603	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q604	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q650	8-729-402-78 s	TRANSISTOR XN6401
Q651	8-729-402-19 s	TRANSISTOR XN6501
Q652	8-729-402-84 s	TRANSISTOR XN6401
Q653	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q680	8-729-015-88 s	TRANSISTOR UMC3TL
Q701	8-729-402-78 s	TRANSISTOR XN6401
Q702	8-729-905-35 s	TRANSISTOR 2SC4081-R
Q703	8-729-402-84 s	TRANSISTOR XN6401
Q801	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q802	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q803	8-729-402-19 s	TRANSISTOR XN6501
Q804	8-729-403-29 s	TRANSISTOR XN6435
Q805	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q806	8-729-402-19 s	TRANSISTOR XN6501
Q807	8-729-403-29 s	TRANSISTOR XN6435
Q808	8-729-402-84 s	TRANSISTOR XN6401
Q809	8-729-141-53 s	TRANSISTOR 2SK94-X2X3X4
Q811	8-729-402-84 s	TRANSISTOR XN6401

(ES-26/26P board)

Ref. No. or Q'ty	Part No.	SP Description
R101	1-218-881-11 s	METAL, CHIP 27K 0.50% 1/16W
R102	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R103	1-218-889-11 s	METAL, CHIP 56K 0.50% 1/16W
R104	1-218-879-11 s	METAL, CHIP 22K 0.50% 1/16W
R105	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R106	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R107	1-218-881-11 s	METAL, CHIP 27K 0.50% 1/16W
R108	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R109	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R110	1-218-873-11 s	METAL, CHIP 12K 0.50% 1/16W
R111	1-218-884-11 s	METAL, CHIP 36K 0.50% 1/16W
R112	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R113	1-218-871-11 s	METAL, CHIP 10K 0.50% 1/16W
R114	1-218-865-11 s	METAL, CHIP 5.6K 0.50% 1/16W
R115	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R116	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W
R117	1-218-886-11 s	METAL, CHIP 43K 0.50% 1/16W
R118	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R119	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R120	1-218-887-11 s	METAL, CHIP 47K 0.50% 1/16W
R121	1-218-893-11 s	METAL, CHIP 82K 0.50% 1/16W
R122	1-218-887-11 s	METAL, CHIP 47K 0.50% 1/16W
R123	1-218-893-11 s	METAL, CHIP 82K 0.50% 1/16W
R124	1-218-887-11 s	METAL, CHIP 47K 0.50% 1/16W
R125	1-218-893-11 s	METAL, CHIP 82K 0.50% 1/16W
R126	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R127	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R128	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R129	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R130	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R131	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R132	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R133	1-211-990-11 s	METAL, CHIP 75 0.50% 1/16W
R134	1-218-846-11 s	METAL, CHIP 910 0.50% 1/16W
R135	1-211-973-11 s	METAL, CHIP 15 0.50% 1/16W
R136	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R137	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R138	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R139	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R140	1-211-987-11 s	METAL, CHIP 56 0.50% 1/16W
R141	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R142	1-218-828-11 s	METAL, CHIP 160 0.50% 1/16W
R143	1-211-973-11 s	METAL, CHIP 15 0.50% 1/16W
R144	1-218-840-11 s	METAL, CHIP 510 0.50% 1/16W
R145	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R146	1-211-973-11 s	METAL, CHIP 15 0.50% 1/16W
R147	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R148	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R149	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R150	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R151	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R152	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R153	1-218-871-11 s	METAL, CHIP 10K 0.50% 1/16W
R154	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R155	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R156	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W
R157	1-218-857-11 s	METAL, CHIP 2.7K 0.50% 1/16W
R158	1-216-826-11 s	METAL, CHIP 2.7K 5% 1/16W
R159	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R160	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R161	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R162	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W [for DSR-500WS]
R163	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W [for DSR-500WSP]
R164	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R165	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R166	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R167	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R168	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R169	1-216-801-11 s	METAL, CHIP 22 5% 1/16W
R170	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R171	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W [for DSR-500WS]
R171	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W [for DSR-500WSP]
R172	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W [for DSR-500WS]
R172	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W [for DSR-500WSP]
R173	1-218-865-11 s	METAL, CHIP 5.6K 0.50% 1/16W
R174	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R175	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R176	1-218-851-11 s	METAL, CHIP 1.5K 0.50% 1/16W [for DSR-500WS]
R176	1-218-853-11 s	METAL, CHIP 1.8K 0.50% 1/16W [for DSR-500WSP]
R177	1-218-875-11 s	METAL, CHIP 15K 0.50% 1/16W
R178	1-218-865-11 s	METAL, CHIP 5.6K 0.50% 1/16W
R179	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R180	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R181	1-216-835-11 s	METAL, CHIP 15K 5% 1/16W
R182	1-216-828-11 s	METAL, CHIP 3.9K 5% 1/16W
R183	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R184	1-218-854-11 s	METAL, CHIP 2K 0.50% 1/16W
R185	1-216-812-11 s	METAL, CHIP 180 5% 1/16W
R186	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R187	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R188	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R189	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R192	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R193	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R194	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R195	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R196	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R197	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R198	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R199	1-211-990-11 s	METAL, CHIP 75 0.50% 1/16W
R200	1-218-846-11 s	METAL, CHIP 910 0.50% 1/16W
R201	1-211-973-11 s	METAL, CHIP 15 0.50% 1/16W
R202	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R203	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R204	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R205	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R206	1-211-987-11 s	METAL, CHIP 56 0.50% 1/16W
R207	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R208	1-218-828-11 s	METAL, CHIP 160 0.50% 1/16W
R209	1-211-973-11 s	METAL, CHIP 15 0.50% 1/16W
R210	1-216-864-11 s	METAL, CHIP 0 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R211	1-218-840-11 s	METAL, CHIP 510 0.50% 1/16W
R212	1-211-973-11 s	METAL, CHIP 15 0.50% 1/16W
R213	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R214	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R215	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R216	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R217	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R218	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R219	1-218-871-11 s	METAL, CHIP 10K 0.50% 1/16W
R220	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R221	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W [for DSR-500WS]
R221	1-218-867-11 s	METAL, CHIP 6.8K 0.50% 1/16W [for DSR-500WSP]
R222	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W
R223	1-218-851-11 s	METAL, CHIP 1.5K 0.50% 1/16W
R224	1-216-826-11 s	METAL, CHIP 2.7K 5% 1/16W
R225	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R226	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R227	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R228	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R229	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R230	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R231	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R232	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R233	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R234	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R235	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R236	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R237	1-216-807-11 s	METAL, CHIP 68 5% 1/16W
R238	1-216-807-11 s	METAL, CHIP 68 5% 1/16W
R239	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R240	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R241	1-216-836-11 s	METAL, CHIP 18K 5% 1/16W
R242	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R243	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R244	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R245	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R246	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R247	1-216-856-11 s	METAL, CHIP 820K 5% 1/16W
R248	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R249	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R250	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R251	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R252	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R253	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R254	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R255	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R256	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R257	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R258	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R259	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R260	1-216-826-11 s	METAL, CHIP 2.7K 5% 1/16W
R261	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R262	1-218-844-11 s	METAL, CHIP 750 0.50% 1/16W
R263	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W
R264	1-218-861-11 s	METAL, CHIP 3.9K 0.50% 1/16W
R265	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R266	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R267	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R268	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R269	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R270	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R271	1-211-987-11 s	METAL, CHIP 56 0.50% 1/16W
R272	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R273	1-211-969-11 s	METAL, CHIP 10 0.50% 1/16W
R274	1-218-846-11 s	METAL, CHIP 910 0.50% 1/16W
R275	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R276	1-216-824-11 s	METAL, CHIP 1.8K 5% 1/16W
R277	1-216-826-11 s	METAL, CHIP 2.7K 5% 1/16W
R278	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R279	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R280	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R281	1-218-833-11 s	METAL, CHIP 270 0.50% 1/16W [for DSR-500WS]
R281	1-218-834-11 s	METAL, CHIP 300 0.50% 1/16W [for DSR-500WSP]
R282	1-211-974-11 s	METAL, CHIP 16 0.50% 1/16W [for DSR-500WS]
R282	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R283	1-218-843-11 s	METAL, CHIP 680 0.50% 1/16W
R284	1-211-981-11 s	METAL, CHIP 33 0.50% 1/16W [for DSR-500WS]
R284	1-211-990-11 s	METAL, CHIP 75 0.50% 1/16W [for DSR-500WSP]
R285	1-218-866-11 s	METAL, CHIP 6.2K 0.50% 1/16W
R286	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R287	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R288	1-218-853-11 s	METAL, CHIP 1.8K 0.50% 1/16W
R289	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R290	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R291	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R292	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R293	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R294	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W
R295	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R296	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R297	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R298	1-216-819-11 s	METAL, CHIP 680 5% 1/16W
R299	1-218-854-11 s	METAL, CHIP 2K 0.50% 1/16W
R300	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R301	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R302	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R303	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R304	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R305	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R306	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R307	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R308	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R309	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R310	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R311	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R312	1-218-856-11 s	METAL, CHIP 2.4K 0.50% 1/16W
R313	1-211-985-11 s	METAL, CHIP 47 0.50% 1/16W
R314	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R315	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R316	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R317	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R318	1-218-856-11 s	METAL, CHIP 2.4K 0.50% 1/16W
R319	1-218-863-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R320	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R321	1-216-823-11 s	METAL, CHIP 1.5K 5% 1/16W
R323	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R324	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R325	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R326	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R327	1-216-794-11 s	METAL, CHIP 5.6 5% 1/16W
R328	1-216-794-11 s	METAL, CHIP 5.6 5% 1/16W
R329	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R330	1-218-831-11 s	METAL, CHIP 220 0.50% 1/16W
R331	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R332	1-211-990-11 s	METAL, CHIP 75 0.50% 1/16W
R333	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R334	1-218-831-11 s	METAL, CHIP 220 0.50% 1/16W
R335	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W
R336	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W
R337	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R338	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R339	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R340	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R341	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R342	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R343	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R344	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R346	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R347	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R348	1-218-866-11 s	METAL, CHIP 6.2K 0.50% 1/16W
R349	1-216-830-11 s	METAL, CHIP 5.6K 5% 1/16W [for DSR-500WS]
R349	1-216-828-11 s	METAL, CHIP 3.9K 5% 1/16W [for DSR-500WSP]
R350	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R351	1-216-848-11 s	METAL, CHIP 180K 5% 1/16W
R352	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R354	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R355	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R356	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R357	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WS]
R358	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R359	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R360	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W [for DSR-500WSP]
R361	1-218-848-11 s	METAL, CHIP 1.1K 0.50% 1/16W [for DSR-500WSP]
R401	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R402	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R403	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R404	1-216-840-11 s	METAL, CHIP 39K 5% 1/16W
R405	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R406	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R407	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R408	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R409	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R410	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R411	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R412	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R413	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R414	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R415	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R416	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R417	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W
R418	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R419	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R421	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R422	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R423	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R424	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R425	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R426	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R427	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R428	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R429	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R430	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R431	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R432	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R433	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R435	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R436	1-216-813-11 s	METAL, CHIP 220 5% 1/16W
R437	1-218-859-11 s	METAL, CHIP 3.3K 0.50% 1/16W
R438	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R439	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R440	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R441	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R442	1-218-868-11 s	METAL, CHIP 7.5K 0.50% 1/16W
R443	1-218-845-11 s	METAL, CHIP 820 0.50% 1/16W
R444	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R445	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R446	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R447	1-216-822-11 s	METAL, CHIP 1.2K 5% 1/16W
R448	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R449	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R450	1-218-851-11 s	METAL, CHIP 1.5K 0.50% 1/16W
R451	1-218-847-11 s	METAL, CHIP 1K 0.50% 1/16W
R452	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R453	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R454	1-218-855-11 s	METAL, CHIP 2.2K 0.50% 1/16W
R455	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R456	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R457	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R458	1-218-851-11 s	METAL, CHIP 1.5K 0.50% 1/16W
R459	1-218-879-11 s	METAL, CHIP 22K 0.50% 1/16W
R460	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R461	1-218-887-11 s	METAL, CHIP 47K 0.50% 1/16W
R462	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R463	1-218-885-11 s	METAL, CHIP 39K 0.50% 1/16W
R464	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R465	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R466	1-218-887-11 s	METAL, CHIP 47K 0.50% 1/16W
R467	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R468	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R471	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R472	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R473	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R474	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R475	1-211-990-11 s	METAL, CHIP 75 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R476	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R477	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R478	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R479	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R480	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R481	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R482	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R483	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R484	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R485	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R486	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R487	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R488	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R489	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R490	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R491	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R492	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R493	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R494	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R495	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R496	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R497	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R498	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R499	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R500	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R501	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R502	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R503	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R504	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R505	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R506	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R507	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R508	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R509	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R510	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R511	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R512	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R513	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R514	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R515	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R516	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R517	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R518	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R519	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R520	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R521	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R522	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R523	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R524	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R525	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R526	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R527	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R528	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R529	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R530	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R531	1-218-846-11	s METAL, CHIP 910 0.50% 1/16W
R532	1-218-846-11	s METAL, CHIP 910 0.50% 1/16W
R533	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W
R534	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R535	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R536	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R537	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R539	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R540	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R541	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R542	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R543	1-218-845-11	s METAL, CHIP 820 0.50% 1/16W
R544	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R545	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R546	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R547	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R548	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
R549	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R550	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R551	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R552	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R553	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R554	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R555	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R556	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R558	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R559	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R601	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R602	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R603	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R605	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R606	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
R607	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R608	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R609	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R611	1-211-991-11	s METAL, CHIP 82 0.50% 1/16W
R612	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R613	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R614	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R615	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R616	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R617	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R620	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R621	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R622	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R623	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R624	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R625	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R626	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DSR-500WS]
R627	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R628	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R629	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R630	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DSR-500WS]
R631	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R632	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R633	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R634	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R635	1-216-809-11	s METAL, CHIP 100 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R636	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R637	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R638	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R639	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R640	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R641	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R642	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R643	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R644	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R645	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R650	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R651	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R652	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R653	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R654	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R655	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R656	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R657	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R658	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R659	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R660	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R661	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R662	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R663	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R664	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R665	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R666	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R667	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R668	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R669	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R670	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R671	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R672	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R673	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R674	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R678	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R680	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R681	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R682	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R683	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R684	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R685	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R686	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R687	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R687	1-218-846-11	s METAL, CHIP 910 0.50% 1/16W [for DSR-500WS] [for DSR-500WSP]
R688	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R689	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R690	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R691	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R692	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R701	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R702	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R703	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R704	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R705	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R706	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R707	1-216-864-11	s METAL, CHIP 0 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R708	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R709	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R710	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R711	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R712	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R713	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R714	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R715	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R716	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R717	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R718	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R719	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R720	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R721	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R722	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R723	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R724	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R801	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R802	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R803	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R804	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R805	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R806	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R807	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R808	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R809	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R810	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R811	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R812	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R813	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R814	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R815	1-216-848-11	s METAL, CHIP 180K 5% 1/16W
R816	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R817	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R817	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W [for DSR-500WS] [for DSR-500WSP]
R818	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R819	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R820	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R821	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R822	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R823	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R824	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R825	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R826	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R827	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R828	1-218-866-11	s METAL, CHIP 6.2K 0.50% 1/16W
R829	1-216-848-11	s METAL, CHIP 180K 5% 1/16W
R830	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R831	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R832	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R833	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R834	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R835	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R836	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R837	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R838	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R839	1-216-809-11	s METAL, CHIP 100 5% 1/16W

(ES-26/26P board)

Ref. No. or Q'ty	Part No.	SP Description
R840	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WS]
R841	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R842	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R843	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R844	1-218-865-11 s	METAL, CHIP 5.6K 0.50% 1/16W
R845	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R846	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R847	1-218-867-11 s	METAL, CHIP 6.8K 0.50% 1/16W
R848	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R849	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R850	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W [for DSR-500WS]
R851	1-218-879-11 s	METAL, CHIP 22K 0.50% 1/16W [for DSR-500WS]
R852	1-218-879-11 s	METAL, CHIP 22K 0.50% 1/16W [for DSR-500WS]
R853	1-218-854-11 s	METAL, CHIP 2K 0.50% 1/16W
R854	1-216-826-11 s	METAL, CHIP 2.7K 5% 1/16W [for DSR-500WSP]
R855	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R856	1-216-826-11 s	METAL, CHIP 2.7K 5% 1/16W [for DSR-500WSP]
R859	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R861	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R862	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R863	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R864	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WS]
R865	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R866	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R867	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WS]
R868	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R869	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R870	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R871	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R872	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R873	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R874	1-218-865-11 s	METAL, CHIP 5.6K 0.50% 1/16W
R875	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R876	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R877	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R878	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R879	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R880	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R881	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R882	1-218-882-11 s	METAL, CHIP 30K 0.50% 1/16W
R883	1-218-881-11 s	METAL, CHIP 27K 0.50% 1/16W
R884	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R885	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R886	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R887	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R888	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R889	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W [for DSR-500WSP]

(ES-26/26P board)

Ref. No. or Q'ty	Part No.	SP Description
R890	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R891	1-218-871-11 s	METAL, CHIP 10K 0.50% 1/16W
R892	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R893	1-218-879-11 s	METAL, CHIP 22K 0.50% 1/16W
R894	1-218-871-11 s	METAL, CHIP 10K 0.50% 1/16W
R895	1-218-883-11 s	METAL, CHIP 33K 0.50% 1/16W
R896	1-218-879-11 s	METAL, CHIP 22K 0.50% 1/16W
R897	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R898	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R899	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R900	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R902	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R903	1-216-835-11 s	METAL, CHIP 15K 5% 1/16W
R904	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R905	1-218-856-11 s	METAL, CHIP 2.4K 0.50% 1/16W
R906	1-218-872-11 s	METAL, CHIP 11K 0.50% 1/16W
R907	1-218-874-11 s	METAL, CHIP 13K 0.50% 1/16W
R908	1-216-835-11 s	METAL, CHIP 15K 5% 1/16W
R909	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R910	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R911	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R912	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R913	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R915	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R916	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R917	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R919	1-218-823-11 s	METAL, CHIP 100 0.50% 1/16W [for DSR-500WS]
R921	1-216-805-11 s	METAL, CHIP 47 5% 1/16W [for DSR-500WS]
R922	1-218-839-11 s	METAL, CHIP 470 0.50% 1/16W
R923	1-216-805-11 s	METAL, CHIP 47 5% 1/16W [for DSR-500WS]
R924	1-216-805-11 s	METAL, CHIP 47 5% 1/16W [for DSR-500WSP]
R925	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R926	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R927	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R928	1-216-805-11 s	METAL, CHIP 47 5% 1/16W [for DSR-500WS]
R929	1-216-805-11 s	METAL, CHIP 47 5% 1/16W
R930	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WS]
R931	1-216-864-11 s	METAL, CHIP 0 5% 1/16W [for DSR-500WSP]
R932	1-216-828-11 s	METAL, CHIP 3.9K 5% 1/16W
R933	1-216-828-11 s	METAL, CHIP 3.9K 5% 1/16W
R934	1-216-828-11 s	METAL, CHIP 3.9K 5% 1/16W
R935	1-216-828-11 s	METAL, CHIP 3.9K 5% 1/16W
RB101	1-236-904-11 s	RESISTOR BLOCK, CHIP 1KX4
RB102	1-236-904-11 s	RESISTOR BLOCK, CHIP 1KX4
RB103	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB104	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RB601	1-236-907-11 s	RESISTOR BLOCK, CHIP 100KX4
RV101	1-241-261-41 s	RES, ADJ, METAL 1K
RV103	1-241-261-41 s	RES, ADJ, METAL 1K
RV104	1-241-260-11 s	RES, ADJ, METAL 500
S401	1-571-275-11 s	SWITCH, SLIDE

FP-118 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-152-A	o MOUNTED CIRCUIT BOARD, FP-118
1pc	3-604-372-01	o SPACER LCD
C1	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C2	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C3	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C5	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C7	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C8	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C9	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C10	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C11	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C12	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C13	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C14	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C15	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C16	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C17	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C18	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C19	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C20	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C200	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C201	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C202	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C203	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C204	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V
C205	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C206	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V
C207	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C208	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C209	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C210	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C211	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C212	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C213	1-164-739-11	s CERAMIC, CHIP 560PF 5% 50V
C214	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C215	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C216	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C217	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C218	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C219	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C220	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C221	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C222	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C223	1-165-112-11	s CERAMIC, CHIP 0.33uF 16V
C224	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C225	1-164-730-11	s CERAMIC 0.0012uF 5% 50V
C226	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C227	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C228	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C229	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C300	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C301	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C302	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C303	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C304	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C305	1-126-392-11	s ELECT, CHIP 100uF 20% 6.3V

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Ref. No. or Q'ty	Part No.	SP Description
C306	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C307	1-126-402-11	s ELECT, CHIP 2.2uF 20% 50V
C308	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C309	1-126-402-11	s ELECT, CHIP 2.2uF 20% 50V
C310	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C311	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C312	1-126-395-11	s ELECT 22uF 20% 16V
C313	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C314	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C315	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C316	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C318	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C401	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C402	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C403	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C404	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C405	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C406	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C407	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C408	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C409	1-113-500-11	s TANTALUM 100uF 20% 10V
C410	1-113-500-11	s TANTALUM 100uF 20% 10V
C411	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C412	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C413	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C414	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C415	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C416	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C417	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C418	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C419	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C420	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C421	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C422	1-113-500-11	s TANTALUM 100uF 20% 10V
C423	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C424	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C425	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C426	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C427	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C428	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C429	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C430	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C431	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C434	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C435	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C436	1-135-210-11	s TANTALUM, CHIP 4.7uF 20% 10V
C437	1-135-210-11	s TANTALUM, CHIP 4.7uF 20% 10V
C438	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C439	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C440	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C441	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C442	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C443	1-113-500-11	s TANTALUM 100uF 20% 10V
C444	1-113-500-11	s TANTALUM 100uF 20% 10V
C445	1-115-154-11	s ELECT 10uF 20% 16V
C446	1-115-154-11	s ELECT 10uF 20% 16V
C447	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C448	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP Description
C449	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C451	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C453	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C454	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C455	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C456	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C457	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C601	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C602	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C603	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C604	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C605	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C606	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C607	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C608	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C609	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C610	1-113-500-11	s TANTALUM 100uF 20% 10V
C611	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C613	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C614	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C615	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C616	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C617	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C618	1-126-395-11	s ELECT 22uF 20% 16V
C619	1-126-412-11	s ELECT, CHIP 220uF 20% 4V
C620	1-165-176-11	s CERAMIC, CHIP 0.047uF 10% 16V
C621	1-113-500-11	s TANTALUM 100uF 20% 10V
C622	1-113-500-11	s TANTALUM 100uF 20% 10V
C623	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C624	1-164-346-11	s CERAMIC 1uF 16V
C625	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C706	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C707	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C718	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C719	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C801	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C802	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C804	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C806	1-113-500-11	s TANTALUM 100uF 20% 10V
C807	1-113-500-11	s TANTALUM 100uF 20% 10V
CN1	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
CN2	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
CN3	1-778-651-11	o CONNECTOR, FFC (ZIF) 40P
CN4	1-695-931-21	o CONNECTOR, FPC 10P
CN5	1-580-056-21	o PIN, CONNECTOR (SMD) 3P
CN6	1-580-056-21	o PIN, CONNECTOR (SMD) 3P
CN8	1-695-931-21	o CONNECTOR, FPC 10P
CV200	1-141-345-11	s CAP, TRIMMER 40PF
D1	8-719-059-49	s DIODE EBR3368S
D200	8-719-938-72	s DIODE SB01-05CP
D201	8-719-106-31	s DIODE RD8.2M-B1
D202	8-719-105-90	s DIODE RD5.6M-B1
D203	8-719-106-61	s DIODE RD11M-B1
D204	8-719-105-90	s DIODE RD5.6M-B1
D205	8-719-059-52	s DIODE MA3J14300LSO
D206	8-719-059-52	s DIODE MA3J14300LSO
D207	8-719-105-28	s DIODE RD2.4M-B
D208	8-719-105-28	s DIODE RD2.4M-B

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Ref. No. or Q'ty	Part No.	SP Description
D209	8-719-987-41	s DIODE CL-150Y-CD
D210	8-719-987-41	s DIODE CL-150Y-CD
D211	8-719-987-41	s DIODE CL-150Y-CD
D212	8-719-987-41	s DIODE CL-150Y-CD
D213	8-719-987-41	s DIODE CL-150Y-CD
D214	8-719-987-41	s DIODE CL-150Y-CD
D215	8-719-987-41	s DIODE CL-150Y-CD
D216	8-719-987-41	s DIODE CL-150Y-CD
D217	8-719-820-41	s DIODE 1SS302
D300	8-719-938-72	s DIODE SB01-05CP
D301	8-719-938-72	s DIODE SB01-05CP
D302	8-719-938-72	s DIODE SB01-05CP
D303	8-719-059-51	s DIODE MA3J142E0LSO
D401	8-719-059-52	s DIODE MA3J14300LSO
D402	8-719-059-52	s DIODE MA3J14300LSO
D501	8-719-059-52	s DIODE MA3J14300LSO
D502	8-719-404-35	s DIODE MA141WK
D503	8-719-404-35	s DIODE MA141WK
D504	8-719-404-35	s DIODE MA141WK
D605	8-719-820-41	s DIODE 1SS302
D703	8-719-820-41	s DIODE 1SS302
D704	8-719-820-41	s DIODE 1SS302
D801	8-719-941-86	s DIODE DAN202U
F801	1-576-122-21	s LINK, IC
FB801	1-414-135-11	s FERRITE 0uH
IC2	8-759-327-65	s IC CXD8525N-E2
IC4	8-759-927-12	s IC SN74HCT244ANS
IC6	8-759-524-04	s IC TC74VHC125FT(EL)
IC200	8-759-331-12	s IC UPD78P064GF-3BA
IC201	8-759-175-77	s IC CXD8384Q
IC202	8-759-289-80	s IC LC75821W-DS
IC203	8-759-442-54	s IC RH5RL50AA-T1
IC204	8-759-464-95	s IC AK6420AF-E2
IC205	8-759-035-93	s IC TC7S32F
IC206	8-759-209-57	s IC TC4S69F
IC207	8-759-173-16	s IC TL062CPW
IC208	8-759-745-64	s IC NJM4560M
IC209	8-759-082-60	s IC TC7S66FU
IC210	8-759-058-64	s IC TC7S32FU(T885R)
IC300	8-759-087-73	s IC S-80750AN-D9-S
IC301	8-759-504-40	s IC S-80741AL-A5-T1
IC302	8-759-442-54	s IC RH5RL50AA-T1
IC303	8-759-442-54	s IC RH5RL50AA-T1
IC401	8-759-422-21	s IC NJM4580V(T22)
IC403	8-759-422-21	s IC NJM4580V(T22)
IC404	8-759-422-21	s IC NJM4580V(T22)
IC405	8-759-422-21	s IC NJM4580V(T22)
IC406	8-759-082-61	s IC TC4W53FU
IC407	8-759-082-61	s IC TC4W53FU
IC408	8-759-701-01	s IC NJM2904M
IC409	8-759-111-56	s IC UPC4572G2
IC410	8-759-111-56	s IC UPC4572G2
IC411	8-759-422-21	s IC NJM4580V(T22)
IC412	8-759-422-21	s IC NJM4580V(T22)
IC413	8-759-422-21	s IC NJM4580V(T22)
IC414	8-759-422-21	s IC NJM4580V(T22)
IC415	8-759-431-95	s IC S-81230SGUP-DQB-T1

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Ref. No. or Q'ty	Part No.	SP	Description
IC416	8-759-422-21	s	IC NJM4580V(TE2)
IC601	8-759-745-64	s	IC NJM4560M
IC602	8-759-745-64	s	IC NJM4560M
IC605	8-759-530-28	s	IC TC4066BFT(EL,N)
IC606	8-759-745-64	s	IC NJM4560M
IC607	8-759-431-97	s	IC NJM386M(TE2)
IC701	8-759-710-77	s	IC NJM4560MD
IC705	8-759-530-05	s	IC TC4053BFT(EL,N)
IC801	8-759-058-62	s	IC TC7S08FU(TE85R)
IC802	8-759-058-58	s	IC TC7S04FU(TE85R)
IC803	8-759-926-25	s	IC SN74HC165ANS
IC804	8-759-926-25	s	IC SN74HC165ANS
L1	1-410-381-11	s	INDUCTOR, CHIP 10uH
L2	1-410-381-11	s	INDUCTOR, CHIP 10uH
L3	1-410-381-11	s	INDUCTOR, CHIP 10uH
L200	1-410-393-11	s	INDUCTOR, CHIP 100uH
L300	1-410-381-11	s	INDUCTOR, CHIP 10uH
L301	1-410-381-11	s	INDUCTOR, CHIP 10uH
L501	1-412-282-41	s	INDUCTOR, CHIP 470UH
L601	1-414-402-11	s	INDUCTOR 47uH
L701	1-412-955-11	s	INDUCTOR 22uH
LI300	1-550-414-31	s	HOLDER, BATTERY
ND200	1-801-621-11	o	DISPLAY, LCD
PH401	1-808-252-11	s	PHOTOCOUPLER M-30
Q1	8-729-106-60	s	TRANSISTOR 2SB1115A
Q2	8-729-920-39	s	TRANSISTOR IMT1US
Q3	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q4	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q5	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q6	8-729-929-73	s	TRANSISTOR UMG8-TR
Q7	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q8	8-729-929-73	s	TRANSISTOR UMG8-TR
Q9	8-729-929-52	s	TRANSISTOR UMA9-TR
Q10	8-729-927-74	s	TRANSISTOR UMG2
Q11	8-729-028-73	s	TRANSISTOR DTA114EUA-T106
Q12	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q13	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q201	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q202	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q203	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q204	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q205	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q300	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q301	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q302	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q303	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q304	8-729-920-39	s	TRANSISTOR IMT1US
Q305	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q306	8-729-907-26	s	TRANSISTOR IMX1
Q307	8-729-920-39	s	TRANSISTOR IMT1US
Q308	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q401	8-729-014-86	s	TRANSISTOR 2SC4207-YGRTE85L
Q402	8-729-014-86	s	TRANSISTOR 2SC4207-YGRTE85L
Q403	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q404	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q405	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR

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Ref. No. or Q'ty	Part No.	SP	Description
Q406	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q407	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q408	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q409	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q410	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q411	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q412	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q413	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q414	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q415	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q501	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q502	8-729-925-47	s	TRANSISTOR IMB2
Q504	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q505	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q506	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q507	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q508	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q509	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q510	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q511	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q512	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q513	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q514	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q515	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q516	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q701	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q702	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q801	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q802	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q803	8-729-101-07	s	TRANSISTOR 2SB798
Q804	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
R1	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R2	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R3	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R4	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R5	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R6	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R7	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R8	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R9	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R10	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R11	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R12	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R13	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R14	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R15	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R16	1-216-830-11	s	METAL, CHIP 5.6K 5% 1/16W
R17	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R18	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R19	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R20	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R21	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R22	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R23	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R24	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R25	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R26	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R27	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R28	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R29	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R30	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R31	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R32	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R33	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R34	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R35	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R36	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R37	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R38	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R39	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R40	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R41	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R42	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R43	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R44	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R45	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R47	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R48	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R49	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R50	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R51	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R52	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R53	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R54	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R55	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R56	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R57	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R58	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R59	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R60	1-216-816-11 s	METAL, CHIP 390 5% 1/16W
R61	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R62	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R63	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R64	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R65	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R66	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R67	1-216-815-11 s	METAL, CHIP 330 5% 1/16W
R68	1-216-815-11 s	METAL, CHIP 330 5% 1/16W
R69	1-216-815-11 s	METAL, CHIP 330 5% 1/16W
R70	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R71	1-216-815-11 s	METAL, CHIP 330 5% 1/16W
R72	1-216-820-11 s	METAL, CHIP 820 5% 1/16W
R73	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R74	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R75	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R76	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R77	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R78	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R79	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R80	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R81	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R82	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R83	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R84	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R85	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R86	1-216-817-11 s	METAL, CHIP 470 5% 1/16W
R87	1-216-817-11 s	METAL, CHIP 470 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R88	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R89	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R90	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R91	1-216-841-11 s	METAL, CHIP 47K 5% 1/16W
R92	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R93	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R94	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R95	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R200	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R201	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R202	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R203	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R204	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R205	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R206	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R207	1-216-851-11 s	METAL, CHIP 330K 5% 1/16W
R208	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R209	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R210	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R211	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R212	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R213	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R214	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R215	1-216-809-11 s	METAL, CHIP 100 5% 1/16W
R216	1-216-861-11 s	METAL, CHIP 2.2M 5% 1/16W
R217	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W
R218	1-216-837-11 s	METAL, CHIP 22K 5% 1/16W
R219	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R220	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R221	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R222	1-216-838-11 s	METAL, CHIP 27K 5% 1/16W
R223	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R224	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R225	1-216-838-11 s	METAL, CHIP 27K 5% 1/16W
R226	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R227	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R228	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R229	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R230	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R231	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R232	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R233	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R234	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R235	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R236	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R237	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R238	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R239	1-218-890-11 s	METAL, CHIP 62K 0.50% 1/16W
R240	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R241	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R242	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R243	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R244	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R245	1-216-849-11 s	METAL, CHIP 220K 5% 1/16W
R246	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R247	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W
R248	1-216-815-11 s	METAL, CHIP 330 5% 1/16W
R249	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R250	1-216-857-11 s	METAL, CHIP 1M 5% 1/16W

(FP-118 board)

Ref. No. or Q'ty	Part No.	SP Description
R251	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R252	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R253	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R254	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R255	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R256	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R257	1-218-882-11	s METAL, CHIP 30K 0.50% 1/16W
R258	1-218-858-11	s METAL, CHIP 3K 0.50% 1/16W
R259	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R260	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R261	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R262	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R263	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R264	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R265	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R266	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R267	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R268	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R269	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R270	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R271	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R272	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R273	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R274	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R275	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R276	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R277	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R278	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R279	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R280	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R281	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R282	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R283	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R300	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R301	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R302	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R303	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R304	1-216-861-11	s METAL, CHIP 2.2M 5% 1/16W
R305	1-216-861-11	s METAL, CHIP 2.2M 5% 1/16W
R306	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R307	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R308	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R309	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R310	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R311	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R312	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R313	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R314	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R315	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R316	1-216-852-11	s METAL, CHIP 390K 5% 1/16W
R317	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R318	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R319	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R320	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R321	1-216-855-11	s METAL, CHIP 680K 5% 1/16W
R322	1-216-855-11	s METAL, CHIP 680K 5% 1/16W
R323	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R324	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R325	1-216-841-11	s METAL, CHIP 47K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R326	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R327	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R328	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R329	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R330	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R331	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R332	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R333	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R401	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R402	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R404	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R405	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R406	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R407	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R408	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R412	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R413	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R414	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R415	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R416	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R417	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R420	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R421	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R423	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R425	1-218-866-11	s METAL, CHIP 6.2K 0.50% 1/16W
R426	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R427	1-218-866-11	s METAL, CHIP 6.2K 0.50% 1/16W
R428	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R429	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R430	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R431	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R432	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R433	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R434	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R435	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R436	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R437	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R438	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R439	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R440	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R441	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R442	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R443	1-218-845-11	s METAL, CHIP 820 0.50% 1/16W
R444	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R445	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R446	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R447	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R448	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R451	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R452	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R453	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R454	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R455	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R456	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R457	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R458	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R459	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R460	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R461	1-216-833-91	s METAL, CHIP 10K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R462	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R463	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R464	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R467	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R468	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R469	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R470	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R471	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R472	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R474	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R475	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R476	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R477	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R478	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R479	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R480	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R481	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R482	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R483	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R484	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R485	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R486	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R487	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R488	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R489	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R490	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R491	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R492	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R493	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R494	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R497	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R498	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R499	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R500	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R501	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R502	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R503	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R504	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R505	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R506	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R507	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R508	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R510	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R512	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R513	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R514	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R515	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R516	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R517	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R518	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R522	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R523	1-218-872-11	s METAL, CHIP 11K 0.50% 1/16W
R524	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R601	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R602	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R603	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R604	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R605	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R608	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W

(FP-118 board)

Ref. No. or Q'ty	Part No.	SP Description
R609	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R610	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R611	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R612	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R613	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R614	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R615	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R616	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R617	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R618	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R619	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R620	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R621	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R622	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R623	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R624	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R625	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R626	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R627	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R628	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R629	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R630	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R631	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R632	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R633	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R635	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R636	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R637	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R638	1-218-827-11	s METAL, CHIP 150 0.50% 1/16W
R639	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R640	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R641	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R642	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R643	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R644	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R645	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R646	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R647	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R649	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R650	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R651	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R652	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R653	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R654	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R656	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R657	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R658	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R659	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R660	1-218-476-11	s METAL, CHIP 180 5% 1/4W
R661	1-218-866-11	s METAL, CHIP 6.2K 0.50% 1/16W
R702	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R703	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R705	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R707	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R708	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R715	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R717	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R718	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R719	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W

(FP-118 board)

Ref. No. or Q'ty	Part No.	SP Description
R720	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R721	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R722	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R728	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R729	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R730	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R731	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R733	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R736	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R738	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R801	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R802	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R803	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R804	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
R805	1-219-365-11	s SHORT 0
R806	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
R807	1-218-692-11	s METAL, CHIP 1K 0.50% 1/16W
R808	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
R809	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
R812	1-216-864-11	s METAL, CHIP 0 5% 1/16W
RB1	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB2	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB3	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB4	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB5	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB6	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB7	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB8	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB9	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB10	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB11	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB12	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB202	1-239-711-91	s NETWORK RESISTOR (CHIP) 0
RB203	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB204	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB207	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB208	1-239-426-11	s NETWORK RESISTOR (CHIP) 2.2K
RB209	1-239-426-11	s NETWORK RESISTOR (CHIP) 2.2K
RB210	1-239-426-11	s NETWORK RESISTOR (CHIP) 2.2K
RB211	1-239-426-11	s NETWORK RESISTOR (CHIP) 2.2K
RB212	1-239-426-11	s NETWORK RESISTOR (CHIP) 2.2K
RB801	1-239-621-11	s RESISTOR BLOCK, CHIP 22
RB802	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB803	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB804	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB805	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB806	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB807	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB808	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB809	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RV401	1-230-337-11	s RES, VAR CARBON 10K
RV402	1-230-337-11	s RES, VAR CARBON 10K
RV403	1-223-278-11	s RES, ADJ, CERMET 100K
RV601	1-223-276-11	s RES, ADJ, CERMET 22K
RV602	1-223-276-11	s RES, ADJ, CERMET 22K
RV603	1-230-337-11	s RES, VAR CARBON 10K
RV604	1-230-337-11	s RES, VAR CARBON 10K
S1	1-570-909-21	s SWITCH, PUSH

(FP-118 board)

Ref. No. or Q'ty	Part No.	SP Description
S2	1-570-909-21	s SWITCH, PUSH
S3	1-570-909-21	s SWITCH, PUSH
S4	1-570-909-21	s SWITCH, PUSH
S5	1-771-141-11	s SWITCH, SLIDE
S6	1-771-141-11	s SWITCH, SLIDE
S200	1-570-832-11	s SWITCH, SLIDE
S201	1-570-909-21	s SWITCH, PUSH
S203	1-570-838-11	s SWITCH, SLIDE
S401	1-771-323-11	s SWITCH, SLIDE
S402	1-771-323-11	s SWITCH, SLIDE
S403	1-771-140-11	s SWITCH, SLIDE
S404	1-771-140-11	s SWITCH, SLIDE
S501	1-771-323-11	s SWITCH, SLIDE
S801	1-771-141-11	s SWITCH, SLIDE
S802	1-570-909-21	s SWITCH, PUSH
S803	1-771-140-11	s SWITCH, SLIDE
S804	1-771-140-11	s SWITCH, SLIDE
S805	1-771-140-11	s SWITCH, SLIDE
S806	1-771-140-11	s SWITCH, SLIDE
S807	1-771-140-11	s SWITCH, SLIDE
S808	1-771-141-11	s SWITCH, SLIDE
S809	1-771-140-11	s SWITCH, SLIDE
S810	1-570-909-21	s SWITCH, PUSH
S811	1-570-711-11	s SWITCH, SLIDE
X1	1-760-655-21	s VIBRATOR, CRYSTAL
X2	1-760-655-21	s VIBRATOR, CRYSTAL
X200	1-579-843-11	s VIBRATOR, CRYSTAL
X201	1-579-550-11	s VIBRATOR, CRYSTAL
X202	1-760-272-11	s VIBRATOR, CRYSTAL

FP-99 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8318-233-A	o MOUNTED CIRCUIT BOARD, FP-99
C801	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C802	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C803	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C805	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C808	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C809	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C810	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C811	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C812	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C813	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C814	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C815	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C816	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C817	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C818	1-162-962-11	s CERAMIC, CHIP 470PF 10% 50V
C819	1-162-962-11	s CERAMIC, CHIP 470PF 10% 50V
C820	1-162-962-11	s CERAMIC, CHIP 470PF 10% 50V
C821	1-162-962-11	s CERAMIC, CHIP 470PF 10% 50V
C822	1-162-962-11	s CERAMIC, CHIP 470PF 10% 50V
CN801	1-695-931-21	o CONNECTOR, FPC 10P
CN802	1-573-768-21	o PIN, CONNECTOR (1.5MM) (SMD)5P
CN803	1-573-290-21	s PIN, CONNECTOR (1.5MM) (SMD)4P
CN804	1-573-290-21	s PIN, CONNECTOR (1.5MM) (SMD)4P
D801	8-719-989-97	s DIODE CL-150SD-CD
D802	8-719-989-97	s DIODE CL-150SD-CD
D803	8-719-047-59	s DIODE CL-150G-CD-T
D804	8-719-989-97	s DIODE CL-150SD-CD
D805	8-719-989-97	s DIODE CL-150SD-CD
D806	8-719-989-97	s DIODE CL-150SD-CD
FB801	1-414-135-11	s FERRITE 0uH
IC801	8-759-268-32	s IC SN74HC595ADB-E05
IC802	8-759-050-94	s IC SN74HC165APW-E05
IC803	8-759-050-94	s IC SN74HC165APW-E05
IC804	8-759-926-37	s IC SN74HC193ANS
IC805	8-759-082-59	s IC TC7W32FU
IC806	8-759-523-04	s IC TC74HC4538AFT(EL)
IC807	8-759-523-04	s IC TC74HC4538AFT(EL)
IC808	8-759-058-64	s IC TC7S32FU(TE85R)
IC809	8-759-277-63	s IC TC7W14FU(TE12R)
L801	1-412-955-11	s INDUCTOR 22uH
Q801	8-729-907-26	s TRANSISTOR IMX1
Q802	8-729-907-26	s TRANSISTOR IMX1
Q803	8-729-907-26	s TRANSISTOR IMX1
R801	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R802	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R803	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R804	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R805	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R806	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R807	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R808	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R809	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R810	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R811	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

(FP-99 board)

Ref. No. or Q'ty	Part No.	SP Description
R812	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R813	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R814	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R815	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R816	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R821	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R822	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R823	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R824	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R825	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R826	1-218-912-11	s METAL, CHIP 510K 0.50% 1/16W
R827	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R828	1-218-912-11	s METAL, CHIP 510K 0.50% 1/16W
R829	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R830	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R831	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R834	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
RB801	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB802	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB803	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB804	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB805	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB806	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB807	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB808	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB809	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
S803	1-692-111-11	s SWITCH, KEY BOARD
S804	1-692-111-11	s SWITCH, KEY BOARD
S805	1-692-111-11	s SWITCH, KEY BOARD
S806	1-692-111-11	s SWITCH, KEY BOARD
S807	1-692-111-11	s SWITCH, KEY BOARD

GCN-16 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-170-A	o MOUNTED CIRCUIT BOARD, GCN-16
R101	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R102	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R103	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R104	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R105	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R106	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R107	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R108	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
S101	1-762-123-11	s SWITCH, TOGGLE
S102	1-762-123-11	s SWITCH, TOGGLE
S103	1-762-123-11	s SWITCH, TOGGLE
S104	1-762-531-11	s SWITCH, TOGGLE
W101	1-958-494-11	o HARNESS, SUB (GCN15-1)
W102	1-958-495-11	o HARNESS, SUB (GCN15-2)

HN-227 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8277-853-A	o MOUNTED CIRCUIT BOARD, HN-227
C1	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C2	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C3	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN511	1-778-647-11	o CONNECTOR, FFC (ZIF) 15P
CN512	1-778-647-11	o CONNECTOR, FFC (ZIF) 15P
CN513	1-766-654-21	s CONNECTOR, FFC/FPC 18P
CN514	1-778-646-11	o CONNECTOR, FFC (ZIF) 10P
CN515	1-764-520-11	s CONNECTOR, FFC/FPC (ZIF) 11P
CN516	1-695-320-21	s PIN, CONNECTOR (1.5MM) (SMD) 2P
CN517	1-695-320-21	s PIN, CONNECTOR (1.5MM) (SMD) 2P
IC1	8-759-469-26	s IC AK6480AF-E2
R1	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R2	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
RB1	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K

KY-405 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8318-188-A	o MOUNTED CIRCUIT BOARD, KY-405
CN1	1-695-931-21	o CONNECTOR, FPC 10P
D1	8-719-989-97	s DIODE CL-150SD-CD
D2	8-719-989-97	s DIODE CL-150SD-CD
D3	8-719-989-97	s DIODE CL-150SD-CD
R1	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R2	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R3	1-216-819-11	s METAL, CHIP 680 5% 1/16W
S1	1-570-909-21	s SWITCH, PUSH
S2	1-570-909-21	s SWITCH, PUSH
S3	1-570-909-21	s SWITCH, PUSH
S4	1-570-909-21	s SWITCH, PUSH
S5	1-570-909-21	s SWITCH, PUSH

LE-221 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-171-A	o MOUNTED CIRCUIT BOARD, LE-221
C701	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C702	1-163-021-91	s CERAMIC 0.01uF 10% 50V
CN701	1-566-761-11	o CONNECTOR 6P, MALE
CN702	1-566-758-11	o CONNECTOR 3P, MALE
D701	8-719-032-78	s DIODE GL3UR8
D702	8-719-032-78	s DIODE GL3UR8
S701	1-570-608-11	s SWITCH, TOGGLE

MB-833 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-150-A	o MOUNTED CIRCUIT BOARD, MB-833
C1	1-127-516-11	s ALUMN SOLID 220uF 20% 10V
CN1	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
CN2	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
CN3	1-778-651-11	o CONNECTOR, FFC (ZIF) 40P
CN5	1-778-650-11	o CONNECTOR, FFC (ZIF) 30P
CN9	1-764-177-11	o PIN, CONNECTOR (SMD) (1.5MM) 7P
CN10	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
CN11	1-778-534-11	o CONNECTOR, FFC (ZIF) 45P
CN13	1-784-629-21	o CONNECTOR, BOARD TO BOARD 30P
CN14	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
CN15	1-778-534-11	o CONNECTOR, FFC (ZIF) 45P
CN16	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
CN19	1-784-627-11	o CONNECTOR, BOARD TO BOARD 60P
CN22	1-770-469-21	o PIN, CONNECTOR (PC BOARD) 2P
CN23	1-695-320-21	s PIN, CONNECTOR (1.5MM) (SMD) 2P

MT-114 board

Ref. No. or Q'ty	Part No.	SP Description
S1	1-572-288-21	s SWITCH, PUSH

PA-219A BOARD

Ref. No. or Q'ty	Part No.	SP Description
2pcs	1-565-977-11	s TERMINAL, SOLDERLESS
20pcs	1-565-977-11	s TERMINAL, SOLDERLESS
24pcs	1-565-977-11	s TERMINAL, SOLDERLESS
2pcs	1-569-520-11	o HOUSING, CONNECTOR 10P
1pc	1-569-617-11	o HOUSING, CONNECTOR 2P
2pcs	1-569-621-11	o HOUSING, CONNECTOR 12P
1pc	1-569-680-11	o HOUSING, CONNECTOR 2P
1pc	1-956-514-11	o HARNESS, SUB (PA187-1)
1pc	1-956-515-11	o HARNESS, SUB (PA187-2)
C1	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C2	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C3	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C4	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C5	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C6	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C7	1-162-965-11	s CAPACITOR, CERAMIC 1500PF/50V B
C8	1-113-981-11	s CAPACITOR TANTALUM 22MF/20V
C10	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C12	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C14	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C17	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C18	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C19	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C20	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C21	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C23	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C27	1-135-259-11	s CAPACITOR TANTALUM 10MF/6.3VF
C28	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C29	1-162-907-11	s CAPACITOR, CERAMIC 2PF/50V(CK)
C30	1-113-682-11	s CAPACITOR, TANTALUM 33MF/10V
C31	1-162-907-11	s CAPACITOR, CERAMIC 2PF/50V(CK)
C32	1-162-910-11	s CAPACITOR, CERAMIC 5PF/50V 1608
C33	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C34	1-113-991-11	s CAPACITOR TANTALUM 33MF/16V
C35	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C36	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C37	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C38	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C39	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C40	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C41	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C44	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C45	1-135-177-21	s CAPACITOR TANTALUM 1MF/25V
C46	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C47	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C48	1-104-851-11	s CAPACITOR, TANTALUM 10MF/10V
C49	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C50	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C51	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C55	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C56	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C57	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C58	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C59	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
CN1	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD) 12P
CN2	1-766-382-11	o PIN, CONNECTOR (1.5MM) (SMD) 10P
CN3	1-695-320-21	s PIN, CONNECTOR (1.5MM) SMD 2P
D1	8-719-059-50	s DIODE MA3J142DOLSO

(PA-219A BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D2	8-719-059-50	s DIODE MA3J142DOLSO
D4	8-719-017-42	s DIODE HSM88WA
D5	8-719-986-76	s DIODE SB007W03C
FB1	1-543-775-11	s BEAD, FERRITE
IC2	8-759-196-96	s IC TC7SH08FU (TE85R)
IC4	8-759-985-17	s IC 74AC04SJ
IC6	8-759-196-96	s IC TC7SH08FU (TE85R)
Q1	8-729-402-19	s TRANSISTOR XN6501
Q2	8-729-117-32	s TRANSISTOR 2SC4177
Q3	8-729-101-25	s TRANSISTOR 2SC1009A
Q5	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q9	8-729-043-02	s TRANSISTOR SST211-T1
Q10	8-729-117-32	s TRANSISTOR 2SC4177
Q11	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s TRANSISTOR 2SC4177
Q13	8-729-043-02	s TRANSISTOR SST211-T1
Q14	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s TRANSISTOR 2SC4177
Q16	8-729-043-02	s TRANSISTOR SST211-T1
Q18	8-729-117-32	s TRANSISTOR 2SC4177
Q24	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s TRANSISTOR 2SC4177
Q29	8-729-117-32	s TRANSISTOR 2SC4177
Q32	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s TRANSISTOR 2SC4177
Q36	8-729-117-16	s TRANSISTOR 2SA1611M6
Q37	8-729-043-02	s TRANSISTOR SST211-T1
Q38	8-729-117-32	s TRANSISTOR 2SC4177
Q39	8-729-117-16	s TRANSISTOR 2SA1611M6
Q40	8-729-043-02	s TRANSISTOR SST211-T1
R1	1-218-871-11	s RESISTOR, CHIP 10K 1/16W (1608)
R3	1-218-887-11	s RESISTOR, CHIP 47K 1/16W (1608)
R4	1-218-885-11	s RESISTOR, CHIP 39K 1/16W (1608)
R5	1-216-857-11	s RESISTOR, CHIP 1.0M 1/16W 1608
R6	1-218-883-11	s RESISTOR, CHIP 33K 1/16W (1608)
R7	1-218-871-11	s RESISTOR, CHIP 10K 1/16W (1608)
R8	1-216-857-11	s RESISTOR, CHIP 1.0M 1/16W 1608
R9	1-218-871-11	s RESISTOR, CHIP 10K 1/16W (1608)
R10	1-218-885-11	s RESISTOR, CHIP 39K 1/16W (1608)
R11	1-218-875-11	s RESISTOR, CHIP 15K 1/16W (1608)
R12	1-218-844-11	s RESISTOR, CHIP 750 1/16W (1608)
R13	1-218-823-11	s RESISTOR, CHIP 100 1/16W (1608)
R14	1-218-859-11	s RESISTOR, CHIP 3.3K 1/16W (1608)
R20	1-218-847-11	s RESISTOR, CHIP 1K 1/16W (1608)
R28	1-218-853-11	s RESISTOR, CHIP 1.8K 1/16W (1608)
R29	1-218-849-11	s RESISTOR, CHIP 1.2K 1/16W (1608)
R30	1-216-864-11	s RESISTOR, CHIP 0 1/16W (1608)
R31	1-218-863-11	s RESISTOR, CHIP 4.7K 1/16W (1608)
R32	1-218-864-11	s RESISTOR, CHIP 5.1K 1/16W (1608)
R33	1-218-823-11	s RESISTOR, CHIP 100 1/16W (1608)
R34	1-218-853-11	s RESISTOR, CHIP 1.8K 1/16W (1608)

(PA-219A BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R35	1-218-895-11	s RESISTOR,CHIP 100K 1/16W(1608)
R36	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R37	1-218-858-11	s RESISTOR, CHIP 3K 1/16W (1608)
R38	1-218-849-11	s RESISTOR,CHIP 1.2K 1/16W(1608)
R39	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R40	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R41	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R42	1-218-858-11	s RESISTOR, CHIP 3K 1/16W (1608)
R43	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R44	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R47	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R49	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R50	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R59	1-218-871-11	s RESISTOR,CHIP 10K 1/16W (1608)
R60	1-218-887-11	s RESISTOR,CHIP 47K 1/16W (1608)
R62	1-218-845-11	s RESISTOR,CHIP 820 1/16W (1608)
R64	1-218-860-11	s RESISTOR,CHIP 3.6K 1/16W(1608)
R65	1-218-695-11	s RESISTOR,CHIP 1.3K 1/16W(1608)
R66	1-218-843-11	s RESISTOR,CHIP 680 1/16W (1608)
R67	1-218-845-11	s RESISTOR,CHIP 820 1/16W (1608)
R69	1-218-860-11	s RESISTOR,CHIP 3.6K 1/16W(1608)
R70	1-218-704-11	s RESISTOR,CHIP 3.3K 1/16W(1608)
R71	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R72	1-218-855-11	s RESISTOR,CHIP 2.2K 1/16W(1608)
R73	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R74	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R75	1-218-855-11	s RESISTOR,CHIP 2.2K 1/16W(1608)
R76	1-216-853-11	s RESISTOR,CHIP 470K 1/16W 1608
R77	1-216-853-11	s RESISTOR,CHIP 470K 1/16W 1608
R78	1-218-895-11	s RESISTOR,CHIP 100K 1/16W(1608)
R79	1-218-895-11	s RESISTOR,CHIP 100K 1/16W(1608)
R80	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R81	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R82	1-218-881-11	s RESISTOR, CHIP 27K 1/16W(1608)
R83	1-218-891-11	s RESISTOR,CHIP 68K 1/16W (1608)
R84	1-218-839-11	s RESISTOR,CHIP 470 1/16W (1608)
R85	1-218-851-11	s RESISTOR,CHIP 1.5K 1/16W(1608)
R86	1-218-863-11	s RESIATOR,CHIP 4.7K 1/16W(1608)
R87	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R92	1-218-891-11	s RESISTOR,CHIP 68K 1/16W (1608)
R93	1-218-880-11	s RESISTOR,CHIP 24K 1/16W (1608)
R94	1-218-847-11	s RESISTOR, CHIP 1K 1/16W (1608)
R97	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R99	1-218-879-11	s RESISTOR,CHIP 22K 1/16W (1608)
R103	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R104	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R105	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R106	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R107	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R108	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R109	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R110	1-218-879-11	s RESISTOR,CHIP 22K 1/16W (1608)
R112	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R113	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
RV1	1-241-263-11	s RESISTOR ADJ 5K (CERMET)

PA-220A BOARD

Ref. No. or Q'ty	Part No.	SP Description
24pcs	1-565-977-11	s TERMINAL, SOLDERLESS
2pcs	1-565-977-11	s TERMINAL, SOLDERLESS
1pc	1-569-617-11	o HOUSING, CONNECTOR 2P
2pcs	1-569-621-11	o HOUSING, CONNECTOR 12P
1pc	1-569-680-11	o HOUSING, CONNECTOR 2P
2pcs	1-956-515-11	o HARNESS, SUB (PA187-2)
C1	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C2	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C3	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C4	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C5	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C6	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C7	1-162-965-11	s CAPACITOR,CERAMIC 1500PF/50V B
C8	1-113-981-11	s CAPACITOR TANTALUM 22MF/20V
C10	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C12	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C14	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C17	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C18	1-162-920-11	s CAPACITOR,CERAMIC 27PF/50V CH
C19	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C20	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C21	1-162-920-11	s CAPACITOR,CERAMIC 27PF/50V CH
C23	1-162-920-11	s CAPACITOR,CERAMIC 27PF/50V CH
C27	1-135-259-11	s CAPACITOR TANTALUM 10MF/6.3VF
C28	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C29	1-162-916-11	s CAPACITOR,CERAMIC 12PF/50V CH
C30	1-113-682-11	s CAPACITOR,TANTALUM 33MF/10V
C31	1-162-916-11	s CAPACITOR,CERAMIC 12PF/50V CH
C32	1-162-915-11	s CAPACITOR,CERAMIC 10PF/50V CH
C33	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C34	1-113-991-11	s CAPACITOR TANTALUM 33MF/16V
C35	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C36	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C37	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C38	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C39	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C40	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C41	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C44	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C45	1-135-177-21	s CAPACITOR TANTALUM 1MF/25V
C46	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C47	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C48	1-104-851-11	s CAPACITOR,TANTALUM 10MF/10V
C49	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C50	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C51	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C52	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C55	1-162-920-11	s CAPACITOR,CERAMIC 27PF/50V CH
C56	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C57	1-162-920-11	s CAPACITOR,CERAMIC 27PF/50V CH
C58	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
C59	1-164-156-11	s CAPACITOR,CERAMIC 0.1MF/25V F
CN1	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD)12P
CN2	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD)12P
CN3	1-695-320-21	s PIN, CONNECTOR(1.5MM)SMD 2P
D1	8-719-059-50	s DIODE MA3J142DOLSO
D2	8-719-059-50	s DIODE MA3J142DOLSO

(PA-220A BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D4	8-719-017-42	s DIODE HSM88WA
D5	8-719-986-76	s DIODE SB007W03C
FB1	1-543-775-11	s BEAD, FERRITE
IC2	8-759-196-96	s IC TC7SH08FU (TE85R)
IC3	8-759-075-53	s IC LM35DM
IC4	8-759-985-17	s IC 74AC04SJ
IC6	8-759-196-96	s IC TC7SH08FU (TE85R)
Q1	8-729-402-19	s TRANSISTOR XN6501
Q2	8-729-117-32	s TRANSISTOR 2SC4177
Q3	8-729-101-25	s TRANSISTOR 2SC1009A
Q5	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q9	8-729-043-02	s TRANSISTOR SST211-T1
Q10	8-729-117-32	s TRANSISTOR 2SC4177
Q11	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s TRANSISTOR 2SC4177
Q13	8-729-043-02	s TRANSISTOR SST211-T1
Q14	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s TRANSISTOR 2SC4177
Q16	8-729-043-02	s TRANSISTOR SST211-T1
Q18	8-729-117-32	s TRANSISTOR 2SC4177
Q24	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s TRANSISTOR 2SC4177
Q29	8-729-117-32	s TRANSISTOR 2SC4177
Q32	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s TRANSISTOR 2SC4177
Q36	8-729-117-16	s TRANSISTOR 2SA1611M6
Q37	8-729-043-02	s TRANSISTOR SST211-T1
Q38	8-729-117-32	s TRANSISTOR 2SC4177
Q39	8-729-117-16	s TRANSISTOR 2SA1611M6
Q40	8-729-043-02	s TRANSISTOR SST211-T1
R1	1-218-871-11	s RESISTOR,CHIP 10K 1/16W (1608)
R3	1-218-887-11	s RESISTOR,CHIP 47K 1/16W (1608)
R4	1-218-885-11	s RESISTOR,CHIP 39K 1/16W (1608)
R5	1-216-857-11	s RESISTOR,CHIP 1.0M 1/16W 1608
R6	1-218-883-11	s RESISTOR,CHIP 33K 1/16W (1608)
R7	1-218-871-11	s RESISTOR,CHIP 10K 1/16W (1608)
R8	1-216-857-11	s RESISTOR,CHIP 1.0M 1/16W 1608
R9	1-218-871-11	s RESISTOR,CHIP 10K 1/16W (1608)
R10	1-218-885-11	s RESISTOR,CHIP 39K 1/16W (1608)
R11	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R12	1-218-844-11	s RESISTOR,CHIP 750 1/16W (1608)
R13	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R14	1-218-859-11	s RESISTOR,CHIP 3.3K 1/16W(1608)
R20	1-218-847-11	s RESISTOR,CHIP 1K 1/16W (1608)
R28	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R29	1-218-849-11	s RESISTOR,CHIP 1.2K 1/16W(1608)
R30	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R31	1-218-863-11	s RESISTOR,CHIP 4.7K 1/16W(1608)
R32	1-218-864-11	s RESISTOR,CHIP 5.1K 1/16W(1608)
R33	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R34	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)

(PA-220A BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R35	1-218-895-11	s RESISTOR,CHIP 100K 1/16W(1608)
R36	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R37	1-218-858-11	s RESISTOR,CHIP 3K 1/16W (1608)
R38	1-218-849-11	s RESISTOR,CHIP 1.2K 1/16W(1608)
R39	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R40	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R41	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R42	1-218-858-11	s RESISTOR,CHIP 3K 1/16W (1608)
R43	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R44	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R47	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R49	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R50	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R59	1-218-871-11	s RESISTOR,CHIP 10K 1/16W (1608)
R60	1-218-887-11	s RESISTOR,CHIP 47K 1/16W (1608)
R62	1-218-850-11	s RESISTOR,CHIP 1.3K 1/16W(1608)
R64	1-218-845-11	s RESISTOR,CHIP 820 1/16W (1608)
R65	1-218-695-11	s RESISTOR,CHIP 1.3K 1/16W(1608)
R66	1-218-843-11	s RESISTOR,CHIP 680 1/16W (1608)
R67	1-218-850-11	s RESISTOR,CHIP 1.3K 1/16W(1608)
R69	1-218-845-11	s RESISTOR,CHIP 820 1/16W (1608)
R70	1-218-704-11	s RESISTOR,CHIP 3.3K 1/16W(1608)
R71	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R74	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R75	1-218-855-11	s RESISTOR,CHIP 2.2K 1/16W(1608)
R76	1-216-853-11	s RESISTOR,CHIP 470K 1/16W 1608
R77	1-216-853-11	s RESISTOR,CHIP 470K 1/16W 1608
R78	1-218-895-11	s RESISTOR,CHIP 100K 1/16W(1608)
R79	1-218-895-11	s RESISTOR,CHIP 100K 1/16W(1608)
R80	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R81	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R82	1-218-881-11	s RESISTOR,CHIP 27K 1/16W(1608)
R83	1-218-891-11	s RESISTOR,CHIP 68K 1/16W (1608)
R84	1-218-839-11	s RESISTOR,CHIP 470 1/16W (1608)
R85	1-218-851-11	s RESISTOR,CHIP 1.5K 1/16W(1608)
R86	1-218-863-11	s RESISTOR,CHIP 4.7K 1/16W(1608)
R87	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R92	1-218-891-11	s RESISTOR,CHIP 68K 1/16W (1608)
R93	1-218-880-11	s RESISTOR,CHIP 24K 1/16W (1608)
R94	1-218-847-11	s RESISTOR,CHIP 1K 1/16W (1608)
R96	1-218-835-11	s RESISTOR,CHIP 330 1/16W (1608)
R97	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R99	1-218-881-11	s RESISTOR,CHIP 27K 1/16W(1608)
R103	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R104	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R105	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R106	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R107	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R108	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R109	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R110	1-218-881-11	s RESISTOR,CHIP 27K 1/16W(1608)
R112	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R113	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)

PA-221A BOARD

Ref. No. or Q'ty	Part No.	SP Description
2pcs	1-565-977-11	s TERMINAL, SOLDERLESS
24pcs	1-565-977-11	s TERMINAL, SOLDERLESS
1pc	1-569-617-11	o HOUSING, CONNECTOR 2P
2pcs	1-569-621-11	o HOUSING, CONNECTOR 12P
1pc	1-569-680-11	o HOUSING, CONNECTOR 2P
2pcs	1-956-515-11	o HARNESS, SUB (PA187-2)
C1	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C2	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C3	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C4	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C5	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C6	1-135-213-21	s CAPACITOR TANTALUM 3.3MF/25V
C7	1-162-965-11	s CAPACITOR, CERAMIC 1500PF/50V B
C8	1-113-981-11	s CAPACITOR TANTALUM 22MF/20V
C10	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C12	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C14	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C17	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C18	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C19	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C20	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C21	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C23	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C27	1-135-259-11	s CAPACITOR TANTALUM 10MF/6.3VF
C28	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C29	1-162-908-11	s CAPACITOR, CERAMIC 3PF/50V 1608
C30	1-113-682-11	s CAPACITOR, TANTALUM 33MF/10V
C31	1-162-908-11	s CAPACITOR, CERAMIC 3PF/50V 1608
C32	1-162-915-11	s CAPACITOR, CERAMIC 10PF/50V CH
C33	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C34	1-113-991-11	s CAPACITOR TANTALUM 33MF/16V
C35	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C36	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C37	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C38	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C39	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C40	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C41	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C44	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C45	1-135-177-21	s CAPACITOR TANTALUM 1MF/25V
C46	1-107-690-11	s CAPACITOR TANTALUM 6.8MF/35V
C47	1-162-970-11	s CAPACITOR CERAMIC 0.01MF/25V B
C48	1-104-851-11	s CAPACITOR, TANTALUM 10MF/10V
C50	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C51	1-113-500-11	s CAPACITOR TANTALUM 100MF/10V
C52	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C55	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C56	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C57	1-162-920-11	s CAPACITOR, CERAMIC 27PF/50V CH
C58	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
C59	1-164-156-11	s CAPACITOR, CERAMIC 0.1MF/25V F
CN1	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD) 12P
CN2	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD) 12P
CN3	1-695-320-21	s PIN, CONNECTOR (1.5MM) SMD 2P
D1	8-719-059-50	s DIODE MA3J142DOLSO
D2	8-719-059-50	s DIODE MA3J142DOLSO
D4	8-719-017-42	s DIODE HSM88WA
D5	8-719-986-76	s DIODE SB007W03C

(PA-221A BOARD)

Ref. No. or Q'ty	Part No.	SP Description
FB1	1-543-775-11	s BEAD, FERRITE
IC2	8-759-196-96	s IC TC7SH08FU (TE85R)
IC4	8-759-985-17	s IC 74AC04SJ
IC6	8-759-196-96	s IC TC7SH08FU (TE85R)
Q1	8-729-402-19	s TRANSISTOR XN6501
Q2	8-729-117-32	s TRANSISTOR 2SC4177
Q3	8-729-101-25	s TRANSISTOR 2SC1009A
Q5	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q9	8-729-043-02	s TRANSISTOR SST211-T1
Q10	8-729-117-32	s TRANSISTOR 2SC4177
Q11	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s TRANSISTOR 2SC4177
Q13	8-729-043-02	s TRANSISTOR SST211-T1
Q14	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s TRANSISTOR 2SC4177
Q16	8-729-043-02	s TRANSISTOR SST211-T1
Q18	8-729-117-32	s TRANSISTOR 2SC4177
Q24	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s TRANSISTOR 2SC4177
Q29	8-729-117-32	s TRANSISTOR 2SC4177
Q32	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s TRANSISTOR 2SC4177
Q36	8-729-117-16	s TRANSISTOR 2SA1611M6
Q37	8-729-043-02	s TRANSISTOR SST211-T1
Q38	8-729-117-32	s TRANSISTOR 2SC4177
Q39	8-729-117-16	s TRANSISTOR 2SA1611M6
Q40	8-729-043-02	s TRANSISTOR SST211-T1
R1	1-218-871-11	s RESISTOR, CHIP 10K 1/16W (1608)
R3	1-218-887-11	s RESISTOR, CHIP 47K 1/16W (1608)
R4	1-218-885-11	s RESISTOR, CHIP 39K 1/16W (1608)
R5	1-216-857-11	s RESISTOR, CHIP 1.0M 1/16W 1608
R6	1-218-883-11	s RESISTOR, CHIP 33K 1/16W (1608)
R7	1-218-871-11	s RESISTOR, CHIP 10K 1/16W (1608)
R8	1-216-857-11	s RESISTOR, CHIP 1.0M 1/16W 1608
R9	1-218-871-11	s RESISTOR, CHIP 10K 1/16W (1608)
R10	1-218-885-11	s RESISTOR, CHIP 39K 1/16W (1608)
R11	1-218-875-11	s RESISTOR, CHIP 15K 1/16W (1608)
R12	1-218-844-11	s RESISTOR, CHIP 750 1/16W (1608)
R13	1-218-823-11	s RESISTOR, CHIP 100 1/16W (1608)
R14	1-218-859-11	s RESISTOR, CHIP 3.3K 1/16W (1608)
R20	1-218-847-11	s RESISTOR, CHIP 1K 1/16W (1608)
R28	1-218-853-11	s RESISTOR, CHIP 1.8K 1/16W (1608)
R29	1-218-849-11	s RESISTOR, CHIP 1.2K 1/16W (1608)
R30	1-216-864-11	s RESISTOR, CHIP 0 1/16W (1608)
R31	1-218-863-11	s RESISTOR, CHIP 4.7K 1/16W (1608)
R32	1-218-864-11	s RESISTOR, CHIP 5.1K 1/16W (1608)
R33	1-218-823-11	s RESISTOR, CHIP 100 1/16W (1608)
R34	1-218-853-11	s RESISTOR, CHIP 1.8K 1/16W (1608)
R35	1-218-895-11	s RESISTOR, CHIP 100K 1/16W (1608)
R36	1-216-864-11	s RESISTOR, CHIP 0 1/16W (1608)
R37	1-218-858-11	s RESISTOR, CHIP 3K 1/16W (1608)
R38	1-218-849-11	s RESISTOR, CHIP 1.2K 1/16W (1608)

(PA-221A BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R39	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R40	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R41	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R42	1-218-858-11	s RESISTOR, CHIP 3K 1/16W (1608)
R43	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R44	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R47	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R49	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R50	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R59	1-218-871-11	s RESISTOR,CHIP 10K 1/16W (1608)
R60	1-218-887-11	s RESISTOR,CHIP 47K 1/16W (1608)
R62	1-218-845-11	s RESISTOR,CHIP 820 1/16W (1608)
R64	1-218-849-11	s RESISTOR,CHIP 1.2K 1/16W(1608)
R65	1-218-695-11	s RESISTOR,CHIP 1.3K 1/16W(1608)
R66	1-218-843-11	s RESISTOR,CHIP 680 1/16W (1608)
R67	1-218-845-11	s RESISTOR,CHIP 820 1/16W (1608)
R69	1-218-849-11	s RESISTOR,CHIP 1.2K 1/16W(1608)
R70	1-218-704-11	s RESISTOR,CHIP 3.3K 1/16W(1608)
R71	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R72	1-218-855-11	s RESISTOR,CHIP 2.2K 1/16W(1608)
R73	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R74	1-218-823-11	s RESISTOR,CHIP 100 1/16W (1608)
R75	1-218-855-11	s RESISTOR,CHIP 2.2K 1/16W(1608)
R76	1-216-853-11	s RESISTOR,CHIP 470K 1/16W 1608
R77	1-216-853-11	s RESISTOR,CHIP 470K 1/16W 1608
R78	1-218-895-11	s RESISTOR,CHIP 100K 1/16W(1608)
R79	1-218-895-11	s RESISTOR,CHIP 100K 1/16W(1608)
R80	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R81	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R82	1-218-881-11	s RESISTOR, CHIP 27K 1/16W(1608)
R83	1-218-891-11	s RESISTOR,CHIP 68K 1/16W (1608)
R84	1-218-839-11	s RESISTOR,CHIP 470 1/16W (1608)
R85	1-218-851-11	s RESISTOR,CHIP 1.5K 1/16W(1608)
R86	1-218-863-11	s RESIATOR,CHIP 4.7K 1/16W(1608)
R87	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R92	1-218-891-11	s RESISTOR,CHIP 68K 1/16W (1608)
R93	1-218-880-11	s RESISTOR,CHIP 24K 1/16W (1608)
R94	1-218-847-11	s RESISTOR, CHIP 1K 1/16W (1608)
R97	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R99	1-218-878-11	s RESISTOR,CHIP 20K 1/16W (1608)
R103	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R104	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R105	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R106	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R107	1-218-875-11	s RESISTOR,CHIP 15K 1/16W (1608)
R108	1-218-853-11	s RESISTOR,CHIP 1.8K 1/16W(1608)
R109	1-211-969-11	s RESISTOR,CHIP 10 1/16W (1608)
R110	1-218-878-11	s RESISTOR,CHIP 20K 1/16W (1608)
R112	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
R113	1-216-864-11	s RESISTOR,CHIP 0 1/16W (1608)
RV1	1-241-263-11	s RESISTOR ADJ 5K (CERMET)

PS-570 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-176-A	o MOUNTED CIRCUIT BOARD, PS-570
1pc	3-846-067-21	o SPACER (C)
C901	1-111-059-11	s ELECT 220MF 20% 25V
C902	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C903	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C904	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C905	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C906	1-127-520-11	s ELECT 68uF 20% 20V
C907	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C908	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C909	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C910	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C911	1-104-760-11	s CERAMIC, CHIP 0.047uF 10% 50V
C912	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C913	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C914	1-163-237-11	s CERAMIC, CHIP 27PF 5% 50V
C915	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
CN901	1-506-703-11	o CONNECTOR POST HEADER,ILG (4P)
CN902	1-560-356-00	o CONNECTOR POST HEADER,ILG (2P)
D901	8-719-023-54	s DIODE EA60QC06-F
D902	8-719-941-86	s DIODE DAN202U
FL901	1-117-193-11	s CERAMIC 1.5MF 50V
IC901	8-759-701-36	s IC NJM3403AM
IC902	8-759-521-35	s IC TL5001CD
L901	1-421-459-21	s COIL, CHOK
L902	1-411-968-11	s COIL, CHOK 33uH
Q901	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q903	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q904	8-729-117-32	s TRANSISTOR 2SC4177
Q905	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q906	8-729-043-74	s TRANSISTOR SI4435DY-T1-REVA
Q907	8-729-117-32	s TRANSISTOR 2SC4177
Q908	8-729-045-16	s TRANSISTOR SI4410DY-T1-REVA
R901	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R902	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R903	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R904	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R905	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R906	1-219-989-11	s METAL, CHIP 0.020 0.10% 1W
R907	1-216-029-00	s METAL, CHIP 150 5% 1/10W
R908	1-208-807-11	s METAL, CHIP 11K 0.50% 1/10W
R909	1-208-798-11	s METAL, CHIP 4.7K 0.50% 1/10W
R910	1-208-830-11	s METAL, CHIP 100K 0.50% 1/10W
R911	1-208-782-11	s METAL, CHIP 1K 0.50% 1/10W
R912	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R913	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R914	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R915	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R916	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R917	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R918	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R919	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R920	1-216-097-00	s METAL, CHIP 100K 5% 1/10W

PSW-71 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-174-A	o MOUNTED CIRCUIT BOARD, PSW-71
C301	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C303	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C305	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C306	1-163-021-91	s CERAMIC 0.01uF 10% 50V
C307	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C308	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C309	1-163-005-11	s CERAMIC, CHIP 470PF 10% 50V
C310	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
CN301	1-695-890-21	o PIN, CONNECTOR (PC BOARD) 12P
CN302	1-764-087-21	s PIN, CONNECTOR (PC BOARD) 14P
CN304	1-506-485-11	s CONNECTOR 6P, MALE
CN305	1-506-491-11	s CONNECTOR 12P, MALE
CN306	1-778-652-11	o CONNECTOR, FFC (ZIF) 50P
D301	8-719-938-78	s DIODE SB10-05PCP
D302	8-719-800-76	s DIODE 1SS226
D303	8-719-938-78	s DIODE SB10-05PCP
D304	8-719-938-78	s DIODE SB10-05PCP
D305	8-719-938-78	s DIODE SB10-05PCP
IC301	8-759-530-05	s IC TC4053BFT(EL,N)
IC302	8-759-050-94	s IC SN74HC165APW-E05
IC303	8-759-268-32	s IC SN74HC595ADB-E05
IC304	8-759-530-05	s IC TC4053BFT(EL,N)
Q301	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q302	8-729-905-35	s TRANSISTOR 2SC4081-R
Q303	8-729-905-35	s TRANSISTOR 2SC4081-R
Q304	8-729-905-35	s TRANSISTOR 2SC4081-R
Q308	8-729-905-35	s TRANSISTOR 2SC4081-R
Q309	8-729-905-35	s TRANSISTOR 2SC4081-R
Q310	8-729-905-35	s TRANSISTOR 2SC4081-R
R301	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R302	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R303	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R304	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R305	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R306	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R307	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R308	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R309	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R310	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R311	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R312	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R313	1-220-250-11	s METAL, CHIP 10 5% 1/2W
R314	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R315	1-216-089-91	s METAL, CHIP 47k 5% 1/10W
R316	1-220-250-11	s METAL, CHIP 10 5% 1/2W
R318	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R319	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W
R320	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R321	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R322	1-208-793-11	s METAL, CHIP 3K 0.50% 1/10W
R323	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R324	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R325	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R326	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R327	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R328	1-216-097-00	s METAL, CHIP 100K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R329	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R330	1-208-782-11	s METAL, CHIP 1K 0.50% 1/10W
R331	1-208-782-11	s METAL, CHIP 1K 0.50% 1/10W
R333	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R334	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R335	1-216-105-00	s METAL, CHIP 220K 5% 1/10W
R336	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R337	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R338	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R339	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R340	1-216-025-11	s METAL, CHIP 100 5% 1/10W
R341	1-216-099-00	s METAL, CHIP 120K 5% 1/10W
R342	1-216-109-00	s METAL, CHIP 330K 5% 1/10W
R343	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
RB301	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB302	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB304	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB305	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB306	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
S301	1-771-356-11	s SWITCH, TOGGLE
S304	1-692-827-11	s SWITCH, KEY BOARD
S306	1-571-642-11	s SWITCH, TOGGLE

RP-91 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8277-852-A	o MOUNTED CIRCUIT BOARD, RP-91
C770	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C771	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C772	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C773	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C774	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C775	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C776	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C777	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C778	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C779	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C780	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C781	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C782	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C783	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C784	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C785	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C786	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C787	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C788	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C789	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C791	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C792	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C793	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C794	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C795	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C796	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C797	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C798	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C799	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C800	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C801	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C802	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C803	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C804	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C806	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C809	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C810	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C811	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C814	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C815	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C816	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C818	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C819	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C821	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C822	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C823	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C824	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C825	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C826	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C827	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C828	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C829	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C830	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C831	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C832	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C833	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C834	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

(RP-91 board)

Ref. No. or Q'ty	Part No.	SP Description
C835	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C836	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C837	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C839	1-162-913-11	s CERAMIC, CHIP 8PF 50V
C841	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C842	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C843	1-164-677-11	s CERAMIC, CHIP 0.033uF 10% 16V
C844	1-164-677-11	s CERAMIC, CHIP 0.033uF 10% 16V
C845	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C847	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C848	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C849	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C850	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C853	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C854	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C855	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C857	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C859	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C860	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C861	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C862	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C863	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C865	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C869	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C870	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C871	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C872	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C873	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C874	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C875	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C876	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C878	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C900	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C901	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C902	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C903	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C904	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C905	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C906	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C907	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C908	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C909	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C910	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C911	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C912	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C913	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C914	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN771	1-566-542-31	s CONNECTOR, FPC (NON ZIF) 10P
CN772	1-774-260-11	o CONNECTOR, FFC (ZIF) 20P
CN773	1-778-535-11	o CONNECTOR, FFC (ZIF) 45P
CN774	1-778-645-11	o CONNECTOR, FFC (ZIF) 10P
CN775	1-573-371-21	s CONNECTOR, BOARD TO BOARD 14P
D771	8-719-059-51	s DIODE MA3J142E0LSO
D772	8-719-059-51	s DIODE MA3J142E0LSO
D773	8-719-041-39	s DIODE KV1470
D774	8-719-052-27	s DIODE 1SS351-TB
D775	8-719-052-27	s DIODE 1SS351-TB
D776	8-719-027-95	s DIODE HSM88WK

(RP-91 board)

Ref. No. or Q'ty	Part No.	SP Description
FL770	1-411-274-21	s LINE, LC DELAY (23NS)
FL771	1-233-343-21	s FILTER, LOW PASS
FL772	1-233-344-21	s FILTER, LOW PASS
FL900	1-233-351-21	s FILTER, BAND PASS
FL901	1-233-350-21	s FILTER, BAND PASS
IC770	8-759-469-25	s IC AK6440AF-E2
IC771	8-759-064-36	s IC MB88346BPFV
IC772	8-752-371-18	s IC CXD2302Q
IC773	8-752-070-12	s IC CXA1762Q
IC774	8-752-379-36	s IC CXD2189AR-T6
IC775	8-752-070-11	s IC CXA1761R
IC777	8-752-067-87	s IC CXA1760Q
IC778	8-759-058-62	s IC TC7S08FU (TE85R)
IC900	8-759-327-00	s IC CXA8044Q-T4
IC901	8-759-082-60	s IC TC7S66FU
L770	1-414-398-11	s INDUCTOR 10uH
L772	1-414-398-11	s INDUCTOR 10uH
L773	1-414-398-11	s INDUCTOR 10uH
L774	1-414-398-11	s INDUCTOR 10uH
L776	1-414-398-11	s INDUCTOR 10uH
L777	1-414-398-11	s INDUCTOR 10uH
L779	1-410-738-41	s INDUCTOR CHIP 0.56uH
L780	1-414-398-11	s INDUCTOR 10uH
L782	1-412-963-11	s INDUCTOR 100uH
L783	1-414-398-11	s INDUCTOR 10uH
L787	1-410-381-11	s INDUCTOR, CHIP 10uH
L788	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L789	1-414-398-11	s INDUCTOR 10uH
L791	1-414-398-11	s INDUCTOR 10uH
L900	1-414-398-11	s INDUCTOR 10uH
L901	1-412-282-41	s INDUCTOR, CHIP 470UH
Q772	8-729-907-00	s TRANSISTOR DTC114EU
Q773	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q774	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q775	8-729-907-00	s TRANSISTOR DTC114EU
Q776	8-729-905-35	s TRANSISTOR 2SC4081-R
Q777	8-729-905-35	s TRANSISTOR 2SC4081-R
Q778	8-729-905-35	s TRANSISTOR 2SC4081-R
Q779	8-729-905-35	s TRANSISTOR 2SC4081-R
Q780	8-729-907-00	s TRANSISTOR DTC114EU
Q781	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q782	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q784	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q900	8-729-907-00	s TRANSISTOR DTC114EU
Q901	8-729-037-92	s TRANSISTOR 2SD2216J-R(TX).SO
R770	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R771	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R774	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R776	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R777	1-218-674-11	s METAL, CHIP 180 0.50% 1/16W
R778	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R779	1-218-744-11	s METAL, CHIP 150K 0.50% 1/16W
R780	1-218-724-11	s METAL, CHIP 22K 5% 1/16W
R781	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R782	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R783	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R784	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R785	1-216-833-91	s METAL, CHIP 10K 5% 1/16W

(RP-91 board)

Ref. No. or Q'ty	Part No.	SP Description
R786	1-218-684-11	s METAL, CHIP 470 0.50% 1/16W
R787	1-218-677-11	s METAL, CHIP 240 0.50% 1/16W
R788	1-218-677-11	s METAL, CHIP 240 0.50% 1/16W
R789	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R790	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R791	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R792	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R793	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R794	1-218-682-11	s METAL, CHIP 390 0.50% 1/16W
R795	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R796	1-218-668-11	s METAL, CHIP 100 0.50% 1/16W
R797	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R798	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R799	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R800	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R801	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R802	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R803	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R804	1-218-718-11	s METAL, CHIP 12K 0.50% 1/16W
R805	1-218-718-11	s METAL, CHIP 12K 0.50% 1/16W
R808	1-218-692-11	s METAL, CHIP 1K 0.50% 1/16W
R809	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R810	1-218-718-11	s METAL, CHIP 12K 0.50% 1/16W
R811	1-218-718-11	s METAL, CHIP 12K 0.50% 1/16W
R812	1-218-718-11	s METAL, CHIP 12K 0.50% 1/16W
R813	1-218-718-11	s METAL, CHIP 12K 0.50% 1/16W
R814	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R815	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R816	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R817	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R818	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R819	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R820	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R821	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R822	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R823	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R824	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R825	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R826	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R827	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R828	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R829	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R830	1-218-710-91	s METAL, CHIP 5.6K 0.50% 1/16W
R831	1-218-710-91	s METAL, CHIP 5.6K 0.50% 1/16W
R832	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R833	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R834	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R835	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R836	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R837	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R838	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R839	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R841	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R843	1-218-688-11	s METAL, CHIP 680 0.50% 1/16W
R844	1-218-688-11	s METAL, CHIP 680 0.50% 1/16W
R845	1-218-678-11	s METAL, CHIP 270 0.50% 1/16W
R846	1-218-676-11	s METAL, CHIP 220 0.50% 1/16W
R847	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R848	1-218-686-11	s METAL, CHIP 560 0.50% 1/16W

(RP-91 board)

Ref. No. or Q'ty	Part No.	SP Description
R849	1-218-682-11	s METAL, CHIP 390 0.50% 1/16W
R850	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R851	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R852	1-218-682-11	s METAL, CHIP 390 0.50% 1/16W
R855	1-218-718-11	s METAL, CHIP 12K 0.50% 1/16W
R856	1-218-718-11	s METAL, CHIP 12K 0.50% 1/16W
R858	1-218-682-11	s METAL, CHIP 390 0.50% 1/16W
R859	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R861	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R862	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R900	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R901	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R902	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R903	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R904	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R905	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R906	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R907	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R908	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R909	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R910	1-218-692-11	s METAL, CHIP 1K 0.50% 1/16W
R911	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R912	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R913	1-218-692-11	s METAL, CHIP 1K 0.50% 1/16W
R914	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R915	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R916	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R917	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R918	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R919	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R920	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

SE-295 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8277-830-A	o MOUNTED CIRCUIT BOARD, SE-295
PH1	8-719-948-58	s DIODE GP2S07B
PH2	8-719-948-58	s DIODE GP2S07B
PH3	8-719-948-58	s DIODE GP2S07B
PH4	8-719-948-58	s DIODE GP2S07B
Q1	8-729-926-31	s PHOTO TRANSISTOR PT483F1S

SE-297 board

Ref. No. or Q'ty	Part No.	SP Description
D1	8-719-989-52	s DIODE GL4600S
PH1	8-719-948-58	s DIODE GP2S07B
PH2	8-719-948-58	s DIODE GP2S07B
PH3	8-719-948-58	s DIODE GP2S07B
PH4	8-719-948-58	s DIODE GP2S07B
S1	1-692-366-31	s SWITCH, PUSH (1 KEY)
TH1	1-808-656-11	s THERMISTOR

SE-511 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-673-960-11	o PRINTED CIRCUIT BOARD, SE-511
CN1	1-573-806-21	s PIN, CONNECTOR (1.5MM) (SMD)6P
PH1	8-749-925-05	s REFLECTOR NJL5183KA-F20-TE1
PH2	8-749-925-05	s REFLECTOR NJL5183KA-F20-TE1

SV-213 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-140-A	o MOUNTED CIRCUIT BOARD, SV-213
C1	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C2	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C3	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C4	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C5	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C6	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C7	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C8	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C9	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C10	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C11	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C13	1-165-176-11	s CERAMIC, CHIP 0.047uF 10% 16V
C17	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C18	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C200	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C201	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C202	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C203	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C204	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C205	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C206	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C207	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C208	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C209	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C210	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C211	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C212	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C300	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C301	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C302	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C303	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C304	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C305	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C306	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C309	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C310	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C311	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C312	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C313	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C314	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C315	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C317	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C318	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C319	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C320	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C321	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C322	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C323	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C325	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C326	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C327	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C328	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C329	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C331	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C332	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C333	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
C334	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C400	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C401	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C402	1-164-677-11	s CERAMIC, CHIP 0.033uF 10% 16V
C403	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3
C404	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C405	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C406	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C407	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C408	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C409	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C410	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C411	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C412	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C413	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C414	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C415	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C416	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C417	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C418	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C419	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C420	1-165-176-11	s CERAMIC, CHIP 0.047uF 10% 16V
C421	1-164-174-11	s CERAMIC, CHIP 0.0082uF 10% 25V
C422	1-164-174-11	s CERAMIC, CHIP 0.0082uF 10% 25V
C423	1-164-174-11	s CERAMIC, CHIP 0.0082uF 10% 25V
C424	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C425	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C426	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C427	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C428	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C429	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C500	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C501	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C502	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C503	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C504	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C505	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C506	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C507	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C508	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C509	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C510	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C512	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C516	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C517	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C518	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C520	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C522	1-113-500-11	s TANTALUM 100uF 20% 10V
C524	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C525	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C526	1-165-128-11	s CERAMIC, CHIP 0.22uF 16V
C527	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C528	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C529	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C530	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C531	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C533	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C534	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C535	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
C537	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C538	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C539	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C700	1-162-965-11 s	CERAMIC, CHIP 0.0015uF 10% 50V
C701	1-162-969-11 s	CERAMIC, CHIP 0.0068uF 10% 25V
C702	1-113-500-11 s	TANTALUM 100uF 20% 10V
C705	1-162-968-11 s	CERAMIC, CHIP 0.0047uF 10% 50V
C706	1-104-914-11 s	TANTALUM, CHIP 22uF 20% 16V
C707	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C740	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V
C741	1-162-965-11 s	CERAMIC, CHIP 0.0015uF 10% 50V
C742	1-162-969-11 s	CERAMIC, CHIP 0.0068uF 10% 25V
C746	1-162-968-11 s	CERAMIC, CHIP 0.0047uF 10% 50V
C747	1-104-914-11 s	TANTALUM, CHIP 22uF 20% 16V
C748	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C749	1-162-965-11 s	CERAMIC, CHIP 0.0015uF 10% 50V
C750	1-162-969-11 s	CERAMIC, CHIP 0.0068uF 10% 25V
C754	1-162-968-11 s	CERAMIC, CHIP 0.0047uF 10% 50V
C755	1-104-914-11 s	TANTALUM, CHIP 22uF 20% 16V
C756	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C757	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C758	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C759	1-113-500-11 s	TANTALUM 100uF 20% 10V
C760	1-113-500-11 s	TANTALUM 100uF 20% 10V
C761	1-165-176-11 s	CERAMIC, CHIP 0.047uF 10% 16V
C801	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C802	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C901	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C902	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C903	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C904	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C905	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C906	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C907	1-164-315-11 s	CERAMIC, CHIP 470PF 5% 50V
C908	1-162-922-11 s	CERAMIC, CHIP 39PF 5% 50V
C909	1-165-176-11 s	CERAMIC, CHIP 0.047uF 10% 16V
C910	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C911	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C912	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
CN500	1-750-905-11 o	CONNECTOR, BOARD TO BOARD 80P
CN501	1-778-648-11 o	CONNECTOR, FFC (ZIF) 20P
CN502	1-778-652-11 o	CONNECTOR, FFC (ZIF) 50P
CN504	1-764-526-11 s	CONNECTOR, FFC/FPC (ZIF) 18P
CN505	1-778-646-11 o	CONNECTOR, FFC (ZIF) 10P
D1	8-719-989-03 s	DIODE DAN222
D2	8-719-991-00 s	DIODE DAP222
D300	8-719-991-00 s	DIODE DAP222
D302	8-719-989-03 s	DIODE DAN222
D303	8-719-991-00 s	DIODE DAP222
D400	8-719-991-00 s	DIODE DAP222
D401	8-719-989-03 s	DIODE DAN222
D402	8-719-991-00 s	DIODE DAP222
D500	8-719-989-03 s	DIODE DAN222
D501	8-719-991-00 s	DIODE DAP222
D502	8-719-989-03 s	DIODE DAN222
D503	8-719-991-00 s	DIODE DAP222
D507	8-719-991-00 s	DIODE DAP222
D508	8-719-105-91 s	DIODE RD5.6M-B2
D701	8-719-981-56 s	DIODE SB05W05C

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
D702	8-719-989-03 s	DIODE DAN222
D801	8-719-989-03 s	DIODE DAN222
D802	8-719-991-00 s	DIODE DAP222
D803	8-719-989-03 s	DIODE DAN222
D804	8-719-991-00 s	DIODE DAP222
D805	8-719-989-03 s	DIODE DAN222
D806	8-719-991-00 s	DIODE DAP222
D807	8-719-989-03 s	DIODE DAN222
D808	8-719-991-00 s	DIODE DAP222
D809	8-719-989-03 s	DIODE DAN222
D810	8-719-991-00 s	DIODE DAP222
D811	8-719-989-03 s	DIODE DAN222
D812	8-719-991-00 s	DIODE DAP222
D813	8-719-989-03 s	DIODE DAN222
D814	8-719-991-00 s	DIODE DAP222
D815	8-719-989-03 s	DIODE DAN222
D816	8-719-991-00 s	DIODE DAP222
D901	8-719-048-43 s	DIODE MA795
IC1	8-759-326-99 s	IC MCD005AM-TLM
IC2	8-759-510-71 s	IC UPC358G2-E2
IC3	8-759-981-61 s	IC LM2901M
IC5	8-759-523-02 s	IC TC74HC4053AFT(EL)
IC6	8-759-700-07 s	IC NJM2903M
IC200	8-759-276-89 s	IC BA6285FP-E2
IC201	8-759-276-89 s	IC BA6285FP-E2
IC204	8-759-510-71 s	IC UPC358G2-E2
IC300	8-759-326-99 s	IC MCD005AM-TLM
IC301	8-759-278-58 s	IC NJM4558V-TE2
IC302	8-759-981-61 s	IC LM2901M
IC303	8-759-523-02 s	IC TC74HC4053AFT(EL)
IC304	8-759-523-95 s	IC TC74VHC74FT(EL)
IC305	8-759-510-71 s	IC UPC358G2-E2
IC306	8-759-444-93 s	IC RH5RL33AA-T1
IC307	8-759-523-02 s	IC TC74HC4053AFT(EL)
IC309	8-759-526-89 s	IC MB88347LPFV-ER
IC400	8-759-335-42 s	IC CXA1793N-E2
IC401	8-759-100-95 s	IC UPC324G2
IC402	8-759-700-07 s	IC NJM2903M
IC403	8-759-100-95 s	IC UPC324G2
IC500	8-752-872-34 s	IC CXP913P048R-2
IC501	8-759-524-10 s	IC TC74VHC157FT(EL)
IC502	8-759-524-10 s	IC TC74VHC157FT(EL)
IC505	8-759-431-26 s	IC MB3793-30PNF-ER
IC507	8-759-524-41 s	IC TC74VHC374FT(EL)
IC508	8-759-524-41 s	IC TC74VHC374FT(EL)
IC509	8-759-524-41 s	IC TC74VHC374FT(EL)
IC510	8-759-524-41 s	IC TC74VHC374FT(EL)
IC512	8-759-524-50 s	IC TC74VHC541FT(EL)
IC702	8-759-444-93 s	IC RH5RL33AA-T1
IC740	8-759-273-87 s	IC NJM2901V(TE2)
IC741	8-759-444-87 s	IC NJM324V(TE2)
IC801	8-759-523-01 s	IC TC74HC4052AFT(EL)
IC802	8-759-523-01 s	IC TC74HC4052AFT(EL)
IC901	8-759-466-53 s	IC NJM2060V(TE2)
IC902	8-759-338-95 s	IC NJM2903V(TE2)
IC903	8-759-523-02 s	IC TC74HC4053AFT(EL)
IC904	8-759-392-01 s	IC TC7SH86FU-TE85R
L500	1-414-398-11 s	INDUCTOR 10uH

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
L501	1-414-398-11 s	INDUCTOR 10uH
L502	1-414-398-11 s	INDUCTOR 10uH
L700	1-409-678-11 s	INDUCTOR 68uH
L740	1-409-678-11 s	INDUCTOR 68uH
L741	1-409-678-11 s	INDUCTOR 68uH
Q700	8-729-030-78 s	TRANSISTOR FP102T-TL
Q701	8-729-929-99 s	TRANSISTOR UMB11-TN
Q740	8-729-030-78 s	TRANSISTOR FP102T-TL
Q745	8-729-030-78 s	TRANSISTOR FP102T-TL
Q748	8-729-026-53 s	TRANSISTOR 2SA1576A-T106-QR
Q749	8-729-807-51 s	TRANSISTOR 2SD1623-S
Q802	8-729-930-32 s	TRANSISTOR UMH11
Q803	8-729-930-18 s	TRANSISTOR UMH4-TN
Q804	8-729-930-18 s	TRANSISTOR UMH4-TN
Q805	8-729-930-18 s	TRANSISTOR UMH4-TN
Q806	8-729-930-32 s	TRANSISTOR UMH11
Q901	8-729-029-14 s	TRANSISTOR DTC144EUA-T106
R1	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R3	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R4	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R5	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R7	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R8	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R10	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R11	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R12	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R13	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R14	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R16	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R17	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R18	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R19	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R20	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R21	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R27	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R28	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R29	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R30	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R31	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R32	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R33	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R34	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R35	1-216-829-11 s	METAL, CHIP 4.7K 5% 1/16W
R36	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R37	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R38	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R39	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R40	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R41	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R42	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R43	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R44	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R45	1-216-842-11 s	METAL, CHIP 56K 5% 1/16W
R47	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R48	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R49	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R203	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R204	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
R205	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R206	1-218-708-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R207	1-218-682-11 s	METAL, CHIP 390 0.50% 1/16W
R208	1-218-708-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R209	1-216-827-11 s	METAL, CHIP 3.3K 5% 1/16W
R210	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R211	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R219	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R220	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R222	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R223	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R225	1-216-852-11 s	METAL, CHIP 390K 5% 1/16W
R226	1-216-852-11 s	METAL, CHIP 390K 5% 1/16W
R227	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R228	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R229	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R230	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R231	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R232	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R233	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R234	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R235	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R236	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R238	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R239	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R241	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R242	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R244	1-216-852-11 s	METAL, CHIP 390K 5% 1/16W
R245	1-216-852-11 s	METAL, CHIP 390K 5% 1/16W
R246	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R247	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R248	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R249	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R250	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R251	1-217-671-11 s	METAL, CHIP 1 5% 1/10W
R252	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R253	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R254	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R255	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R300	1-218-708-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R301	1-218-708-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R302	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R303	1-216-842-11 s	METAL, CHIP 56K 5% 1/16W
R304	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R305	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R306	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R307	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R308	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R309	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W
R310	1-216-843-11 s	METAL, CHIP 68K 5% 1/16W
R311	1-216-833-91 s	METAL, CHIP 10K 5% 1/16W
R312	1-216-853-11 s	METAL, CHIP 470K 5% 1/16W
R313	1-216-825-11 s	METAL, CHIP 2.2K 5% 1/16W
R314	1-218-708-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R315	1-218-708-11 s	METAL, CHIP 4.7K 0.50% 1/16W
R316	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R317	1-216-842-11 s	METAL, CHIP 56K 5% 1/16W
R318	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R323	1-216-839-11 s	METAL, CHIP 33K 5% 1/16W

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
R324	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R325	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R326	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R327	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R328	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
R329	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
R330	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R331	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R332	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R333	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R337	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R339	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R340	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R341	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R342	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R343	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R344	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R345	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R346	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R347	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R348	1-216-842-11	s METAL, CHIP 56K 5% 1/16W
R400	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R401	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R402	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R403	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R404	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R405	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R406	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R407	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R408	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R409	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R410	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R411	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R412	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R413	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R414	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R415	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R416	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R417	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R418	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R419	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R420	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R421	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R422	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R423	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R424	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R425	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R426	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R427	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R428	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R429	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R430	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R431	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R432	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R434	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R436	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R437	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R438	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R439	1-217-671-11	s METAL, CHIP 1 5% 1/10W

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
R440	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R441	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R442	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R443	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R444	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R445	1-217-671-11	s METAL, CHIP 1 5% 1/10W
R501	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R502	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R503	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R504	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R505	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R513	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R514	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R515	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R516	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R517	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R518	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R519	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R520	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R521	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R522	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R523	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R524	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R525	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R526	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R529	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R533	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R534	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R535	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R536	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R537	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R540	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R541	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R542	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R543	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R544	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R545	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R546	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R547	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R548	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R549	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R550	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R551	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R552	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R553	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R555	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R556	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R557	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R558	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R559	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R700	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R701	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R702	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R703	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R704	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R705	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R706	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R707	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R708	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
R709	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R710	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R711	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R714	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R715	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R716	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R740	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R741	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R742	1-216-854-11	s METAL, CHIP 560K 5% 1/16W
R743	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R744	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R745	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R746	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R747	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R748	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R749	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R750	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R751	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R752	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R753	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R754	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R759	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R760	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R761	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R762	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R763	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R764	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R765	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R766	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R767	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R768	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R769	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R770	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R771	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R772	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R773	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R774	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R775	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R776	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R777	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R778	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R801	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R802	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R805	1-218-704-11	s METAL, CHIP 3.3K 0.50% 1/16W
R806	1-218-692-11	s METAL, CHIP 1K 0.50% 1/16W
R810	1-218-727-11	s METAL, CHIP 30K 0.50% 1/16W
R811	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R812	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R813	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R814	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R818	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R820	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R822	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R824	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R901	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R902	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R903	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R904	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R905	1-216-833-91	s METAL, CHIP 10K 5% 1/16W

(SV-213 board)

Ref. No. or Q'ty	Part No.	SP Description
R906	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R907	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R908	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R909	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R910	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R911	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R912	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R913	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R914	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R915	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R916	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R917	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R918	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R919	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R921	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R922	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R923	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
RB500	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB501	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB502	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB503	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB504	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB506	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB507	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB508	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB510	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB511	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB512	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB513	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB514	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB515	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB516	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB801	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB802	1-239-407-11	s NETWORK RESISTOR (CHIP) 330
RB803	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB804	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB805	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB806	1-236-908-11	s RESISTOR, NETWORK, CHIP 10k
RB808	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
RB810	1-239-446-11	s NETWORK RESISTOR (CHIP) 330K
RB811	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
S500	1-692-535-11	s SWITCH, DIP 4-CKT
X500	1-760-655-21	s VIBRATOR, CRYSTAL

SW-18 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-166-A	o MOUNTED CIRCUIT BOARD, SW-18
R561	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
S561	1-554-592-21	s SWITCH, KEY BOARD
S562	1-554-592-21	s SWITCH, KEY BOARD
S563	1-554-088-00	s SWITCH, TACTILE
S564	1-571-642-11	s SWITCH, TOGGLE
W561	1-958-489-11	o HARNESS, SUB (SW923)

SW-19 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-177-A	o MOUNTED CIRCUIT BOARD, SW-19
1pc	3-612-604-01	s KNOB, VR(AUDIO)
C201	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C202	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
CN201	1-573-537-11	s CONNECTOR, BB 6P, MALE
R201	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R202	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R203	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R204	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
RV201	1-223-686-11	s RES, VAR, CARBON 5K/5K
S201	1-572-471-11	s SWITCH
S202	1-572-471-11	s SWITCH
S203	1-570-984-11	s SWITCH, TOGGLE

SW-929 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-669-104-12	o PRINTED WIRING BOARD, SW-929
CN101	1-573-290-21	s PIN, CONNECTOR (1.5MM) (SMD) 4P
RV101	1-473-406-11	s ENCODER, ED JOG

TG-204 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-142-A	o MOUNTED CIRCUIT BOARD, TG-204
C1	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C2	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C3	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C4	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C5	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C6	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C7	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C9	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C10	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C11	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C12	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C13	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C14	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C15	1-126-394-11	s ELECT, CHIP 10uF 20% 16V
C16	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C17	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C18	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C23	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C24	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C25	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C26	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C27	1-126-405-11	s ELECT, CHIP 10uF 20% 50V
C29	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C30	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C31	1-104-920-11	s TANTALUM, CHIP 4.7uF 20% 35V
C32	1-126-400-11	s ELECT, CHIP 22uF 20% 35V
C33	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C34	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C35	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C36	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C37	1-104-920-11	s TANTALUM, CHIP 4.7uF 20% 35V
C38	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C39	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C40	1-126-395-11	s ELECT 22uF 20% 16V
C41	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C42	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C43	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C44	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C45	1-113-500-11	s TANTALUM 100uF 20% 10V
C46	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C47	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C48	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C49	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C50	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C51	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C52	1-107-910-11	s ELECT 100uF 20% 50V
C54	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C55	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C56	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C57	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C58	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C59	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C60	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V

(TG-204 board)

Ref. No. or Q'ty	Part No.	SP Description
C61	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C62	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C63	1-113-987-11	s TANTALUM, CHIP 4.7uF 20% 25V
C64	1-104-919-11	s TANTALUM, CHIP 10uF 20% 25V
C65	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C66	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C67	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C68	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C70	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C71	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C72	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C73	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C74	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C76	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C77	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C78	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C79	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C80	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C81	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C82	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C83	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C84	1-104-652-11	s ELECT 470uF 20% 10V
C85	1-128-528-11	s ELECT 470uF 20% 16V
C86	1-126-400-11	s ELECT, CHIP 22uF 20% 35V
C87	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C88	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C91	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C92	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C93	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C97	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C100	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C101	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C102	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C103	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C104	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C105	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C106	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C110	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C111	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C112	1-131-381-00	s TANTALUM 47uF 10% 10V
CN1	1-778-534-11	o CONNECTOR, FFC (ZIF) 45P
CN2	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD) 12P
CN3	1-766-382-11	o PIN, CONNECTOR 10P
CN4	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD) 12P
CN5	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD) 12P
CN6	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD) 12P
CN7	1-766-383-11	o PIN, CONNECTOR (1.5MM) (SMD) 12P
CN8	1-573-806-21	s PIN, CONNECTOR (1.5MM) (SMD) 6P
CN11	1-568-331-11	s CONNECTOR, BOARD TO BOARD 10P
CN12	1-568-331-11	s CONNECTOR, BOARD TO BOARD 10P
CP1	1-767-799-11	s OSCILLATOR, CRYSTAL (VCO TYPE)
D1	8-719-029-63	s DIODE RD4.3uH-T1
D2	8-719-029-63	s DIODE RD4.3uH-T1
D5	8-719-059-51	s DIODE MA3J142E0LSO
D6	8-719-059-51	s DIODE MA3J142E0LSO
D7	8-719-059-51	s DIODE MA3J142E0LSO

(TG-204 board)

Ref. No. or Q'ty	Part No.	SP Description
D8	8-719-059-51	s DIODE MA3J142E0LSO
D9	8-719-938-78	s DIODE SB10-05PCP
D10	8-719-938-78	s DIODE SB10-05PCP
D11	8-719-059-51	s DIODE MA3J142E0LSO
D12	8-719-938-78	s DIODE SB10-05PCP
FB1	1-543-775-11	s FERRITE 0uH
FB2	1-543-775-11	s FERRITE 0uH
FB3	1-216-296-91	s SHORT 0
FB4	1-543-775-11	s FERRITE 0uH
FB5	1-543-775-11	s FERRITE 0uH
FB6	1-543-775-11	s FERRITE 0uH
FB7	1-543-775-11	s FERRITE 0uH
FB8	1-543-775-11	s FERRITE 0uH
IC1	8-759-095-56	s IC X24C08SC7000
IC2	8-759-083-94	s IC TC7W74FU
IC3	8-759-148-39	s IC CXD8095Q
IC5	8-759-076-06	s IC TL064CPW
IC6	8-759-076-06	s IC TL064CPW
IC7	8-759-234-20	s IC TC7S08F
IC8	8-759-394-05	s IC TC7SH08F-TE85R
IC10	8-759-196-96	s IC TC7SH08FU-TE85R
IC11	8-759-196-96	s IC TC7SH08FU-TE85R
IC12	8-759-523-79	s IC TC74VHC02FT(EL)
IC13	8-759-635-27	s IC M62352GP
IC14	8-759-172-33	s IC UPD16502GS(1)
IC15	8-759-172-33	s IC UPD16502GS(1)
IC16	8-759-172-33	s IC UPD16502GS(1)
IC17	8-759-058-58	s IC TC7S04FU(Te85R)
IC18	8-759-271-86	s IC TC7SH04FU
IC19	8-759-271-86	s IC TC7SH04FU
IC21	8-759-058-64	s IC TC7S32FU(Te85R)
IC22	8-759-185-42	s IC LM4040AIM3-2.5
IC23	8-759-196-96	s IC TC7SH08FU-TE85R
IC30	8-759-196-96	s IC TC7SH08FU-TE85R
IC31	8-759-196-97	s IC TC7SH32FU-TE85R
IC32	8-759-196-96	s IC TC7SH08FU-TE85R
IC33	8-759-196-96	s IC TC7SH08FU-TE85R
IC34	8-759-196-96	s IC TC7SH08FU-TE85R
IC35	8-759-271-86	s IC TC7SH04FU
IC36	8-759-196-96	s IC TC7SH08FU-TE85R
IC38	8-759-196-96	s IC TC7SH08FU-TE85R
IC39	8-759-196-96	s IC TC7SH08FU-TE85R
IC40	8-759-196-96	s IC TC7SH08FU-TE85R
L1	1-410-389-31	s INDUCTOR, CHIP 47uH
L2	1-410-389-31	s INDUCTOR, CHIP 47uH
L3	1-410-389-31	s INDUCTOR, CHIP 47uH
L4	1-410-369-11	s INDUCTOR, CHIP 1uH
L5	1-414-369-11	s INDUCTOR, CHIP 1uH
L6	1-410-369-11	s INDUCTOR, CHIP 1uH
L7	1-410-389-31	s INDUCTOR, CHIP 47uH
L8	1-412-282-41	s INDUCTOR, CHIP 470UH
L9	1-410-389-31	s INDUCTOR, CHIP 47uH
L10	1-410-389-31	s INDUCTOR, CHIP 47uH
L11	1-410-369-11	s INDUCTOR CHIP 1uH
L12	1-412-955-11	s INDUCTOR CHIP 22uH

(TG-204 board)

Ref. No. or Q'ty	Part No.	SP Description
Q1	8-729-101-07	s TRANSISTOR 2SB798
Q2	8-729-101-07	s TRANSISTOR 2SB798
Q3	8-729-807-51	s TRANSISTOR 2SD1623-S
Q4	8-729-101-07	s TRANSISTOR 2SB798
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q6	8-729-101-07	s TRANSISTOR 2SB798
Q7	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q8	8-729-101-07	s TRANSISTOR 2SB798
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q10	8-729-216-22	s TRANSISTOR 2SA1162
Q11	8-729-216-22	s TRANSISTOR 2SA1162
Q12	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q13	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R1	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R2	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R3	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R4	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R5	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R6	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R7	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R8	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R9	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R10	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R11	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R12	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R13	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R14	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R15	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R16	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R17	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R19	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R20	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R21	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R22	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R23	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R24	1-218-876-11	s METAL, CHIP 16K 0.50% 1/16W
R25	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R26	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R27	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R28	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R29	1-218-891-11	s METAL, CHIP 68K 0.50% 1/16W
R30	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R31	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R32	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R33	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R34	1-218-896-11	s METAL, CHIP 110K 0.50% 1/16W
R35	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R36	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R37	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R38	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R39	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R40	1-218-896-11	s METAL, CHIP 110K 0.50% 1/16W
R41	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R42	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R43	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R44	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R45	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R46	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W

(TG-204 board)

Ref. No. or Q'ty	Part No.	SP Description
R47	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R48	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R50	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R52	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R53	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R54	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R55	1-414-748-11	s FERRITE 0uH
R56	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R57	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R58	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R59	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R60	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R61	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R62	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R63	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R64	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R65	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R66	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R67	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R68	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R71	1-218-660-11	s METAL, CHIP 47 0.50% 1/16W
R72	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R73	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R74	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R75	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R76	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R77	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R79	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R80	1-414-748-11	s FERRITE 0uH
R81	1-414-748-11	s FERRITE 0uH
R82	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R83	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R84	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R85	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R87	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R88	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R89	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R90	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R93	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R94	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R95	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R96	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R97	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R98	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R99	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R100	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R101	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R102	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R103	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R105	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R110	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R111	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R112	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R113	1-218-830-11	s METAL, CHIP 200 0.50% 1/16W
R115	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R116	1-414-748-11	s FERRITE 0uH
R117	1-414-748-11	s FERRITE 0uH
R120	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R121	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R123	1-216-815-11	s METAL, CHIP 330 5% 1/16W

(TG-204 board)

Ref. No. or Q'ty	Part No.	SP Description
R124	1-216-845-11 s	METAL, CHIP 100K 5% 1/16W
R126	1-216-864-11 s	METAL, CHIP 0 5% 1/16W
R127	1-211-985-11 s	METAL, CHIP 47 0.50% 1/16W
R131	1-414-748-11 s	FERRITE 0uH
R132	1-414-748-11 s	FERRITE 0uH
R133	1-414-748-11 s	FERRITE 0uH
R134	1-414-748-11 s	FERRITE 0uH
R135	1-216-864-11 s	METAL, CHIP 0 5% 1/16W

VA-190 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-146-A o	MOUNTED CIRCUIT BOARD, VA-190
C1	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C2	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C3	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C4	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C5	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C6	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C7	1-135-181-21 s	TANTALUM, CHIP 4.7uF 10% 6.3V
C8	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C9	1-104-563-11 s	FILM, CHIP 0.1uF 5% 16V
C10	1-104-563-11 s	FILM, CHIP 0.1uF 5% 16V
C11	1-104-563-11 s	FILM, CHIP 0.1uF 5% 16V
C12	1-164-230-11 s	CERAMIC 220PF 5% 50V
C13	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C14	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C15	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C16	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C17	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C18	1-162-968-11 s	CERAMIC, CHIP 0.0047uF 10% 50V
C19	1-162-968-11 s	CERAMIC, CHIP 0.0047uF 10% 50V
C33	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C34	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C35	1-104-852-11 s	TANTALUM, CHIP 22uF 20% 10V
C36	1-104-852-11 s	TANTALUM, CHIP 22uF 20% 10V
C37	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C38	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C44	1-104-823-11 s	TANTALUM, CHIP 47uF 20% 16V
C45	1-104-852-11 s	TANTALUM, CHIP 22uF 20% 10V
C46	1-135-208-11 s	TANTALUM, CHIP 1uF 20% 10V
C47	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C50	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C51	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C52	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C53	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C54	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C55	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C56	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C57	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C58	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C59	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C60	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C61	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C62	1-113-500-11 s	TANTALUM 100uF 20% 10V
C63	1-113-500-11 s	TANTALUM 100uF 20% 10V
C101	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C102	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C103	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C107	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C108	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C109	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C110	1-162-916-11 s	CERAMIC, CHIP 12PF 5% 50V
C111	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C113	1-162-907-11 s	CERAMIC, CHIP 2PF 50V
C114	1-162-912-11 s	CERAMIC, CHIP 7PF 50V
C115	1-162-915-11 s	CERAMIC, CHIP 10PF 50V

(VA-190 board)

Ref. No. or Q'ty	Part No.	SP Description
C116	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C117	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C118	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C119	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C120	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C121	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C122	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C123	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C124	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C125	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C126	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C127	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C128	1-135-208-11	s TANTALUM, CHIP 1uF 20% 10V
C129	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C130	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C131	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C132	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C133	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C134	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C135	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C137	1-117-136-11	s ELECT 10uF 20% 6.3
C138	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C139	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C140	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C141	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C144	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C145	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C146	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C147	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C148	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C149	1-117-139-11	s ELECT 2.2uF 20% 35V
C150	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C151	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C152	1-117-136-11	s ELECT 10uF 20% 6.3
C166	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C168	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C169	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C170	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C172	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C173	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C174	1-162-913-11	s CERAMIC, CHIP 8PF 50V
C175	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C176	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C177	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C178	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C179	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C180	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C181	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C201	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C202	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C203	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C207	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C208	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C209	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C210	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C211	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C213	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C214	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C215	1-162-915-11	s CERAMIC, CHIP 10PF 50V

(VA-190 board)

Ref. No. or Q'ty	Part No.	SP Description
C216	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C217	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C218	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C219	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C220	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C221	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C222	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C223	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C224	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C225	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C226	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C227	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C228	1-135-208-11	s TANTALUM, CHIP 1uF 20% 10V
C229	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C230	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C231	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C232	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C233	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C234	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C235	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C237	1-117-136-11	s ELECT 10uF 20% 6.3
C238	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C239	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C240	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C241	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C244	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C245	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C246	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C247	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C248	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C249	1-117-139-11	s ELECT 2.2uF 20% 35V
C250	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C251	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C252	1-117-136-11	s ELECT 10uF 20% 6.3
C266	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C268	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C269	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C270	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C272	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C273	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C274	1-162-913-11	s CERAMIC, CHIP 8PF 50V
C275	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C276	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C277	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C278	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C279	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C280	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C281	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C301	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C302	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C303	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C307	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C308	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C309	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C310	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C311	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C313	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C314	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C315	1-162-915-11	s CERAMIC, CHIP 10PF 50V

(VA-190 board)

Ref. No. or Q'ty	Part No.	SP Description
C316	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C317	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C318	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C319	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C320	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C321	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C322	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C323	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C325	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C326	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C327	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C328	1-135-208-11	s TANTALUM, CHIP 1uF 20% 10V
C329	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C330	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C331	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C332	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C333	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C334	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C335	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C337	1-117-136-11	s ELECT 10uF 20% 6.3
C338	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C339	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C340	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C341	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C344	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C345	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C346	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C347	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C348	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C349	1-117-139-11	s ELECT 2.2uF 20% 35V
C350	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C351	1-135-181-21	s TANTALUM, CHIP 4.7uF 10% 6.3V
C352	1-117-136-11	s ELECT 10uF 20% 6.3
C366	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C368	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C369	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C370	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C372	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C373	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C374	1-162-913-11	s CERAMIC, CHIP 8PF 50V
C375	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C376	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C377	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C378	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C379	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C380	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C381	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
CN1	1-695-320-31	o PIN, CONNECTOR (1.5MM) (SMD) 2P
CN2	1-695-320-71	o PIN, CONNECTOR (1.5MM) (SMD) 2P
CN3	1-695-320-51	o PIN, CONNECTOR (1.5MM) (SMD) 2P
CN4	1-778-650-11	o CONNECTOR, FFC (ZIF) 30P
D1	8-719-421-69	s DIODE MA133
D4	8-719-029-63	s DIODE RD4.3uH-T1
D5	8-719-029-63	s DIODE RD4.3uH-T1
D103	8-719-421-71	s DIODE MA132WA
D104	8-719-421-71	s DIODE MA132WA
D203	8-719-421-71	s DIODE MA132WA

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Ref. No. or Q'ty	Part No.	SP Description
D204	8-719-421-71	s DIODE MA132WA
D303	8-719-421-71	s DIODE MA132WA
D304	8-719-421-71	s DIODE MA132WA
FL101	1-402-639-11	s FILTER, TRAP
FL201	1-402-639-11	s FILTER, TRAP
FL301	1-402-639-11	s FILTER, TRAP
IC1	8-759-635-27	s IC M62352GP
IC2	8-759-635-27	s IC M62352GP
IC3	8-759-530-05	s IC TC4053BFT(EL,N)
IC4	8-759-076-06	s IC TL064CPW
IC5	8-759-530-05	s IC TC4053BFT(EL,N)
IC7	8-759-050-14	s IC SN74HC175APW-E05
IC9	8-759-058-58	s IC TC7S04FU(TE85R)
IC10	8-759-049-60	s IC SN74HC08APW-E05
IC11	8-759-049-96	s IC SN74HC32APW-E05
IC12	8-759-173-16	s IC TL062CPW
IC15	8-759-175-02	s IC TL074CPW
IC16	8-759-530-05	s IC TC4053BFT(EL,N)
IC101	8-759-530-05	s IC TC4053BFT(EL,N)
IC102	8-759-271-18	s IC NJM1496V
IC103	8-759-530-05	s IC TC4053BFT(EL,N)
IC105	8-759-271-18	s IC NJM1496V
IC106	8-759-530-05	s IC TC4053BFT(EL,N)
IC107	8-759-076-06	s IC TL064CPW
IC201	8-759-530-05	s IC TC4053BFT(EL,N)
IC202	8-759-271-18	s IC NJM1496V
IC203	8-759-530-05	s IC TC4053BFT(EL,N)
IC205	8-759-271-18	s IC NJM1496V
IC206	8-759-530-05	s IC TC4053BFT(EL,N)
IC207	8-759-076-06	s IC TL064CPW
IC301	8-759-530-05	s IC TC4053BFT(EL,N)
IC302	8-759-271-18	s IC NJM1496V
IC303	8-759-530-05	s IC TC4053BFT(EL,N)
IC305	8-759-271-18	s IC NJM1496V
IC306	8-759-530-05	s IC TC4053BFT(EL,N)
IC307	8-759-076-06	s IC TL064CPW
IC309	8-759-185-42	s IC LM4040AIM3-2.5
L101	1-412-957-11	s INDUCTOR 33uH
L102	1-412-961-11	s INDUCTOR 68uH
L201	1-412-957-11	s INDUCTOR 33uH
L202	1-412-961-11	s INDUCTOR 68uH
L301	1-412-957-11	s INDUCTOR 33uH
L302	1-412-961-11	s INDUCTOR 68uH
Q1	8-729-402-84	s TRANSISTOR XN4601
Q2	8-729-420-20	s TRANSISTOR XN4312
Q3	8-729-402-19	s TRANSISTOR XN6501
Q6	8-729-101-07	s TRANSISTOR 2SB798
Q7	8-729-807-51	s TRANSISTOR 2SD1623-S
Q9	8-729-101-07	s TRANSISTOR 2SB798
Q101	8-729-402-78	s TRANSISTOR XN6401
Q102	8-729-402-19	s TRANSISTOR XN6501
Q103	8-729-117-72	s TRANSISTOR 2SC4178
Q104	8-729-142-90	s TRANSISTOR 2SK853-K5
Q105	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q106	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q107	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q108	8-729-117-72	s TRANSISTOR 2SC4178

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Ref. No. or Q'ty	Part No.	SP	Description
Q109	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q110	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q111	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q112	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q113	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q114	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q115	8-729-117-72	s	TRANSISTOR 2SC4178
Q116	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q117	8-729-403-29	s	TRANSISTOR XN6435
Q118	8-729-403-32	s	TRANSISTOR XN6534
Q119	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q120	8-729-402-19	s	TRANSISTOR XN6501
Q121	8-729-402-78	s	TRANSISTOR XN6401
Q122	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q123	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q124	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q201	8-729-402-78	s	TRANSISTOR XN6401
Q202	8-729-402-19	s	TRANSISTOR XN6501
Q203	8-729-117-72	s	TRANSISTOR 2SC4178
Q204	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q205	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q206	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q207	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q208	8-729-117-72	s	TRANSISTOR 2SC4178
Q209	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q210	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q211	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q212	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q213	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q214	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q215	8-729-117-72	s	TRANSISTOR 2SC4178
Q216	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q217	8-729-403-29	s	TRANSISTOR XN6435
Q218	8-729-403-32	s	TRANSISTOR XN6534
Q219	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q220	8-729-402-19	s	TRANSISTOR XN6501
Q221	8-729-402-78	s	TRANSISTOR XN6401
Q222	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q223	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q224	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q301	8-729-402-78	s	TRANSISTOR XN6401
Q302	8-729-402-19	s	TRANSISTOR XN6501
Q303	8-729-117-72	s	TRANSISTOR 2SC4178
Q304	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q305	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q306	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q307	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q308	8-729-117-72	s	TRANSISTOR 2SC4178
Q309	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q310	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q311	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q312	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q313	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q314	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q315	8-729-117-72	s	TRANSISTOR 2SC4178
Q316	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q317	8-729-403-29	s	TRANSISTOR XN6435
Q318	8-729-403-32	s	TRANSISTOR XN6534
Q319	8-729-143-07	s	TRANSISTOR 2SA1610-YY33

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Ref. No. or Q'ty	Part No.	SP	Description
Q320	8-729-402-19	s	TRANSISTOR XN6501
Q321	8-729-402-78	s	TRANSISTOR XN6401
Q322	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q323	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q324	8-729-905-35	s	TRANSISTOR 2SC4081-R
R2	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R3	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R4	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R5	1-218-894-11	s	METAL, CHIP 91K 0.50% 1/16W
R6	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R7	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R8	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R9	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R10	1-218-894-11	s	METAL, CHIP 91K 0.50% 1/16W
R11	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R12	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R13	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R14	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R15	1-218-894-11	s	METAL, CHIP 91K 0.50% 1/16W
R16	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R17	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R18	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R19	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R21	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R22	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R23	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R24	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R25	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R26	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R27	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R28	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R29	1-218-862-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R30	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R32	1-218-853-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R33	1-218-866-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R34	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R35	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R36	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R37	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R38	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R40	1-216-828-11	s	METAL, CHIP 3.9K 5% 1/16W
R41	1-216-828-11	s	METAL, CHIP 3.9K 5% 1/16W
R42	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R43	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R58	1-218-885-11	s	METAL, CHIP 39K 0.50% 1/16W
R59	1-218-884-11	s	METAL, CHIP 36K 0.50% 1/16W
R60	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R61	1-218-863-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R62	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R63	1-216-823-11	s	METAL, CHIP 1.5K 5% 1/16W
R68	1-218-886-11	s	METAL, CHIP 43K 0.50% 1/16W
R69	1-218-831-11	s	METAL, CHIP 220 0.50% 1/16W
R70	1-218-877-11	s	METAL, CHIP 18K 0.50% 1/16W
R71	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R72	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R73	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R75	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R76	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R77	1-216-797-11	s	METAL, CHIP 10 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R78	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R79	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R81	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R82	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R83	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R84	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R85	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R86	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R87	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R88	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R90	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R91	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R92	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R93	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R94	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R101	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R102	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R103	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R104	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R105	1-218-846-11	s METAL, CHIP 910 0.50% 1/16W
R106	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R107	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R109	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R110	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R111	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R112	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R113	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R114	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R115	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R116	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R117	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R118	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R119	1-218-829-11	s METAL, CHIP 180 0.50% 1/16W
R120	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R121	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R122	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R123	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R125	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R126	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R127	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R128	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R129	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R130	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R131	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R132	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R133	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R134	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R135	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R136	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R137	1-218-870-11	s METAL, CHIP 9.1K 0.50% 1/16W
R138	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R139	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R140	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R141	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R142	1-211-984-11	s METAL, CHIP 43 0.50% 1/16W
R143	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W
R144	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R145	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R146	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R147	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R148	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R149	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R150	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R154	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R155	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R156	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R157	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R158	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R159	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R160	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R161	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R162	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R163	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R164	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R165	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R166	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R167	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R168	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R169	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R170	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R171	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R172	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R173	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R174	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R175	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R176	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R177	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W
R178	1-218-876-11	s METAL, CHIP 16K 0.50% 1/16W
R180	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R181	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R182	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R183	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R191	1-216-861-11	s METAL, CHIP 2.2M 5% 1/16W
R192	1-216-860-11	s METAL, CHIP 1.8M 5% 1/16W
R194	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R195	1-218-901-11	s METAL, CHIP 180K 0.50% 1/16W
R197	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R198	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R199	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R201	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R202	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R203	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R204	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R205	1-218-846-11	s METAL, CHIP 910 0.50% 1/16W
R206	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R207	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R209	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R210	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R211	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R212	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R213	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R214	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R215	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R216	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R217	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R218	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R219	1-218-829-11	s METAL, CHIP 180 0.50% 1/16W
R220	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R221	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W

(VA-190 board)

Ref. No. or Q'ty	Part No.	SP Description
R222	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R223	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R225	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R226	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R227	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R228	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R229	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R230	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R231	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R232	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R233	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R234	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R235	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R236	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R237	1-218-870-11	s METAL, CHIP 9.1K 0.50% 1/16W
R238	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R239	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R240	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R241	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R242	1-211-984-11	s METAL, CHIP 43 0.50% 1/16W
R243	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W
R244	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R245	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R246	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R247	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R248	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R249	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R250	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R254	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R255	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R256	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R257	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R258	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R259	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R260	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R261	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R262	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R263	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R264	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R265	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R266	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R267	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R268	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R269	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R270	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R271	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R272	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R273	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R274	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R275	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R276	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R277	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W
R278	1-218-876-11	s METAL, CHIP 16K 0.50% 1/16W
R280	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R281	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R282	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R283	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R291	1-216-861-11	s METAL, CHIP 2.2M 5% 1/16W
R292	1-216-860-11	s METAL, CHIP 1.8M 5% 1/16W

(VA-190 board)

Ref. No. or Q'ty	Part No.	SP Description
R294	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R295	1-218-901-11	s METAL, CHIP 180K 0.50% 1/16W
R297	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R298	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R299	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R301	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R302	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R303	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R304	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R305	1-218-846-11	s METAL, CHIP 910 0.50% 1/16W
R306	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R307	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R309	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R310	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R311	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R312	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R313	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R314	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R315	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R316	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R317	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R318	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R319	1-218-829-11	s METAL, CHIP 180 0.50% 1/16W
R320	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R321	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R322	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R323	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R325	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R326	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R327	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R328	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R329	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R330	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R331	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R332	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R333	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R334	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R335	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R336	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R337	1-218-870-11	s METAL, CHIP 9.1K 0.50% 1/16W
R338	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R339	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R340	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R341	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R342	1-211-984-11	s METAL, CHIP 43 0.50% 1/16W
R343	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W
R344	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R345	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R346	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R347	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R348	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R349	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R350	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R354	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R355	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R356	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R357	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R358	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R359	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W

(VA-190 board)

Ref. No. or Q'ty	Part No.	SP Description
R360	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R361	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R362	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R363	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R364	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R365	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R366	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R367	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R368	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R369	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R370	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R371	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R372	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R373	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R374	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R375	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R376	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R377	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W
R378	1-218-876-11	s METAL, CHIP 16K 0.50% 1/16W
R380	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R381	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R382	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R383	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R391	1-216-861-11	s METAL, CHIP 2.2M 5% 1/16W
R392	1-216-860-11	s METAL, CHIP 1.8M 5% 1/16W
R394	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R395	1-218-901-11	s METAL, CHIP 180K 0.50% 1/16W
R397	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R398	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R399	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R400	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R401	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R402	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R403	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R404	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R405	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R406	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R407	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R500	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R501	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R502	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R503	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R504	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R505	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R506	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R507	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R600	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R601	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R602	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R603	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R604	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R605	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R606	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R607	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R700	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R701	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R702	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R703	1-218-834-11	s METAL, CHIP 300 0.50% 1/16W
R704	1-218-834-11	s METAL, CHIP 300 0.50% 1/16W

(VA-190 board)

Ref. No. or Q'ty	Part No.	SP Description
R707	1-218-917-11	s METAL, CHIP 820K 0.50% 1/16W
R800	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R801	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R802	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R803	1-218-834-11	s METAL, CHIP 300 0.50% 1/16W
R804	1-218-834-11	s METAL, CHIP 300 0.50% 1/16W
R807	1-218-917-11	s METAL, CHIP 820K 0.50% 1/16W
R900	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R901	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R902	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R903	1-218-834-11	s METAL, CHIP 300 0.50% 1/16W
R904	1-218-834-11	s METAL, CHIP 300 0.50% 1/16W
R907	1-218-917-11	s METAL, CHIP 820K 0.50% 1/16W
RB1	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB2	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4

VE-44 board

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8322-359-A	o MOUNTED CIRCUIT BOARD, VE-44
C301	1-113-500-11	s TANTALUM 100uF 20% 10V
C306	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C310	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C311	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C312	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C313	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C314	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C315	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C316	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C318	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C319	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C320	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C321	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C322	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C323	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C325	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C326	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C327	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C328	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C329	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C330	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C331	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CM1	1-785-553-21	o CONNECTOR, BOARD TO BOARD 120P
IC301	8-759-196-93	s IC TC7SH00FU-TE85R
IC302	8-759-196-96	s IC TC7SH08FU-TE85R
IC303	8-759-491-46	s IC TC74VHCT04AFT(EL)
IC305	8-759-524-51	s IC TC74VHC573FT(EL)
IC306	8-759-524-51	s IC TC74VHC573FT(EL)
IC307	8-759-523-95	s IC TC74VHC74FT(EL)
IC308	8-759-524-10	s IC TC74VHC157FT(EL)
IC309	8-759-524-10	s IC TC74VHC157FT(EL)
IC310	8-759-524-10	s IC TC74VHC157FT(EL)
IC311	8-759-524-10	s IC TC74VHC157FT(EL)
IC312	8-759-523-96	s IC TC74VHC86FT(EL)
IC313	8-759-524-51	s IC TC74VHC573FT(EL)
IC314	8-759-524-51	s IC TC74VHC573FT(EL)
IC315	8-759-524-51	s IC TC74VHC573FT(EL)
IC316	8-759-524-51	s IC TC74VHC573FT(EL)
IC317	8-759-524-51	s IC TC74VHC573FT(EL)
IC318	8-752-360-44	s IC CXK1203AR-T4
IC319	8-752-360-44	s IC CXK1203AR-T4
IC320	8-752-360-44	s IC CXK1203AR-T4
IC321	8-752-360-44	s IC CXK1203AR-T4
IC322	8-752-360-44	s IC CXK1203AR-T4
IC323	8-752-360-44	s IC CXK1203AR-T4
IC324	8-752-360-44	s IC CXK1203AR-T4
IC325	8-752-360-44	s IC CXK1203AR-T4
IC326	8-759-421-88	s IC SN74LVC821APW-E05
IC327	8-759-421-88	s IC SN74LVC821APW-E05
IC328	8-759-421-88	s IC SN74LVC821APW-E05
IC329	8-759-421-88	s IC SN74LVC821APW-E05
IC330	8-752-360-44	s IC CXK1203AR-T4
IC331	8-752-360-44	s IC CXK1203AR-T4

(VE-44 board)

Ref. No. or Q'ty	Part No.	SP Description
IC332	8-759-421-88	s IC SN74LVC821APW-E05
IC333	8-752-360-44	s IC CXK1203AR-T4
IC334	8-752-360-44	s IC CXK1203AR-T4
IC335	8-759-421-88	s IC SN74LVC821APW-E05
IC336	8-759-196-96	s IC TC7SH08FU-TE85R
R302	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R304	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R305	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R306	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R307	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R308	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R311	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R312	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R313	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R321	1-216-805-11	s METAL, CHIP 47 5% 1/16W
RB301	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB302	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB303	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB304	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB305	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB306	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB307	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB308	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB309	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB310	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4

FRAME

部品番号が記載されていないハーネスは、サービス部品として登録されていません。
これらは、リストに展開されているコンポーネント部品で補修してください。

Harnesses with no part number are not registered as spare parts.
In need of repair, get components shown in the list and repair using them.

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-528-174-31	s BATTERY, LITHIUM CR2032
HN101	1-783-283-13	s CABLE, FLEXIBLE FLAT (50-CORE) [CN14/MB board to CN504/AA board]
HN102		(CN506/AA-104 board)
	1-565-978-11	o HOUSING, CONNCTOR 6P
6pcs	1-565-977-11	s CONTACT, FEMALE AWG#28-32 (CN701/LE-221 board)
	1-565-978-11	o HOUSING, CONNCTOR 6P
6pcs	1-565-977-11	s CONTACT, FEMALE AWG#28-32
HN103		(CN503/AT-127 board)
	1-565-978-11	o HOUSING, CONNCTOR 6P
6pcs	1-565-977-11	s CONTACT, FEMALE AWG#28-32 (CN1/SE-511 board)
	1-565-978-11	o HOUSING, CONNCTOR 6P
6pcs	1-565-977-11	s CONTACT, FEMALE AWG#28-32
HN104	1-790-768-11	s CABLE, FLEXIBLE FLAT (45-CORE) [CN15/MB board to CN1/TG board]
HN105	1-783-288-13	s CABLE, FLEXIBLE FLAT (30-CORE) [CN5/MB board to CN4/VA board]
HN106	1-783-285-13	s CABLE, FLEXIBLE FLAT (50-CORE) [CN16/MB board to CN306/PSW board]
HN107		(CN305/PSW-71 board)
	1-695-892-11	o HOUSING, CONNECTOR 12P
12pcs	1-695-215-11	o CONTACT, FEMALE (W401/CN-1864 board)
	1-695-892-11	o HOUSING, CONNECTOR 12P
12pcs	1-695-215-11	o CONTACT, FEMALE
HN108	1-783-282-14	s CABLE, FLEXIBLE FLAT (50-CORE) [CN3/MB board to CN3/FP-118 board]
HN109	1-783-282-14	s CABLE, FLEXIBLE FLAT (50-CORE) [CN2/MB board to CN2/FP-118 board]
HN110	1-777-865-13	s CABLE, FLEXIBLE FLAT (40-CORE) [CN1/MB board to CN1/FP-118 board]
HN111		(CN5/FP-118 board)
	1-569-618-11	o HOUSING, CONNECTOR 3P
3pcs	1-565-977-11	s CONTACT, FEMALE AWG#28-32
HN112	1-777-902-11	o WIRE, FLAT TYPE (10-CORE) [CN4/FP-118 board to CN1/KY board]
HN113	1-783-363-11	s WIRE, FLAT TYPE (10-CORE) [CN8/FP-118 board to CN801/FP-99 board]
HN114	1-958-485-11	o HARNESS, SUB (SW929) [CN803/FP-99 board to CN101/SW-929 board]
HN115	1-958-499-12	s HARNESS, SUB (MB-CPS) (CN3/CP-315 board)
	1-561-514-00	o HOUSING, CONNECTOR
2pcs	1-560-372-00	o CONTACT, FEMALE AWG#22-28 (CN22/MB-833 board)
	1-562-644-11	s SOCKET, CONNECTOR 2P
2pcs	1-562-643-11	o CONTACT, FEMALE AWG#24-30

(FRAME)

Ref. No. or Q'ty	Part No.	SP Description
HN116	1-958-496-11	s HARNESS, SUB (POWER LINE)
1pc	1-500-111-11	s CORE
1pc	1-564-603-31	s CONNECTOR (WITH DC SW) 4P "DC IN"
1pc	1-553-442-21	s SWITCH, MICRO (TO CN6/CP-315 board)
	1-580-582-11	o HOUSING, CONNECTOR 12P
9pcs	1-573-176-11	o CONTACT, FEMALE AWG#22-26
1pc	1-580-599-11	o CONTACT, FEMALE AWG#26-30
HN117	1-958-497-11	s HARNESS, SUB (BATTERY)
	1-766-377-12	s CONNECTOR, BATTERY (TO CN7/CP-315 board)
	1-580-581-11	o HOUSING, CONNECTOR 10P
6pcs	1-573-176-11	o CONTACT, FEMALE AWG#22-26
3pcs	1-580-599-11	o CONTACT, FEMALE AWG#26-30
HN118	1-958-498-11	o HARNESS, SUB (CP-LIGHT) (CN9/CP-315 board)
	1-561-516-00	o HOUSING, CONNECTOR
4pcs	1-560-372-00	o CONTACT, FEMALE AWG#22-28 (CN901/PS-570 board)
	1-561-516-00	o HOUSING, CONNECTOR
4pcs	1-560-372-00	o CONTACT, FEMALE AWG#22-28
HN119		(CN2/CN-1823 board)
	1-569-519-11	o HOUSING, CONNECTOR 7P
6pcs	1-565-977-11	s CONTACT, FEMALE AWG#28-32 (CN102/DV-21 board)
	1-565-978-11	o HOUSING, CONNECTOR 6P
6pcs	1-565-977-11	s CONTACT, FEMALE AWG#28-32
HN120	1-777-866-12	s CABLE, FLEXIBLE FLAT (45-CORE) [CN11/MB board to CN773/RP board]
HN121	1-777-864-11	s CABLE, FLEXIBLE FLAT (20-CORE) [CN772/RP board to CN501/SV board]
HN122	1-777-867-12	s CABLE, FLEXIBLE FLAT (50-CORE) [CN10/MB board to CN502/SV board]
HN123	1-958-486-11	o HARNESS, SUB (DU27) [CN23/MB board to CN1/DU board]
HN124		(CN2/CN-1874 board)
	1-561-514-00	o HOUSING, CONNECTOR 2P
2pcs	1-560-372-00	o CONTACT, FEMALE AWG#22-28 (VIDEO LIGHT CONNECTOR)
	1-561-514-00	o HOUSING, CONNECTOR 2P
2pcs	1-560-372-00	o CONTACT, FEMALE AWG#22-28
HN125	1-956-511-11	o HARNESS, SUB (DEF) [VA board to PA board]

1-4. SUPPLIED ACCESSORIES LIST

SUPPLIED ACCESSORIES

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6772-374-A	s BELT ASSY, SHOULDER
1pc	1-528-174-31	s BATTERY, LITHIUM (CR2032 TYPE)
1pc	3-613-311-01	s CAP, CN
1pc	3-764-889-01	o CHART, ADJUSTMENT
1pc	3-866-520-02	s MANUAL, INSTRUCTION (JAPANESE)
1pc	3-866-520-12	s MANUAL, INSTRUCTION (ENGLISH)
1pc	3-866-520-22	s MANUAL, INSTRUCTION (FRENCH)
1pc	3-866-520-32	s MANUAL, INSTRUCTION (GERMAN)
1pc	3-866-520-42	s MANUAL, INSTRUCTION (ITALIAN)
1pc	3-866-520-52	s MANUAL, INSTRUCTION (CHINESE)
1pc	3-861-961-31	o MICROPHONE
1pc	3-179-882-01	o SPACER, MICROPHONE

1-5. OPTIONAL FIXTURES LIST

Ref. No. or Q'ty	Part No.	SP Description
	J-6080-029-A	o SMALL ADJUSTMENT MIRROR
	J-6082-231-A	o WASHER ATTACHING TOOL (for 1.5)
	J-6082-232-A	o WASHER ATTACHING TOOL (for 1.2)
	J-6082-233-A	o WASHER ATTACHING TOOL (for 0.8)
	J-6082-234-A	o WASHER REMOVING TOOL A
	J-6082-236-A	o WASHER ATTACHING/DETACHING KIT
	J-6082-362-A	o TAPE GUIDE ADJUSTING SCREWDRIVER
	J-6082-373-A	o TORQUE CASSETTE
	J-6276-320-A	o EXTENSION BOARD, EX-622
	J-6325-110-A	o TORQUE SCREWDRIVER BIT (for 1.4)
	J-6325-380-A	o TORQUE SCREWDRIVER BIT (for M2)
	J-6325-400-A	o TORQUE SCREWDRIVER (3 kg)
	J-6441-740-A	o EXTENSION BOARD, DJ-174
	J-6442-350-A	o RF EXTENSION BOARD
	J-6442-410-A	o CASSETTE REFERENCE BOARD
	J-6442-420-A	o GUIDE GAUGE
	J-6442-430-A	o REEL TABLE HEIGHT CHECK GAUGE
	J-6442-510-A	o TORQUE GAUGE 90ATG
	J-6442-520-A	o REWINDING TORQUE MEASURING ATTACHMENT
	3-184-527-01	o CLEANING CLOTH
	7-432-114-11	o THREE BOND 1401B
	7-651-000-10	o GREASE SGL-601 (50g)
	8-967-999-02	o ALIGNMENT TAPE, XH2-1AST
	8-967-999-21	o ALIGNMENT TAPE, XH5-1A (for NTSC)
	8-967-999-25	o ALIGNMENT TAPE, XH5-1AP (for PAL)
	9-910-573-01	o CLEANING LIQUID

1-6. DSBK-301A

IPM-94 BOARD

Ref. No. or Q'ty	Part No.	SP Description
C101	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C102	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C103	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C104	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C105	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C106	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C107	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C108	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C109	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C110	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C111	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C112	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C113	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C114	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C115	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C116	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C117	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C118	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C120	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C121	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C122	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C123	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C124	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C125	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C126	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C127	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C128	1-162-912-11 s	CERAMIC, CHIP 7PF 50V
C129	1-162-912-11 s	CERAMIC, CHIP 7PF 50V
C130	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C131	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C132	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C133	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C134	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C135	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C136	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C137	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C138	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C139	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C141	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C142	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C143	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C144	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C145	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C146	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C147	1-162-962-11 s	CERAMIC, CHIP 470PF 10% 50V
C148	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C149	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C201	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C202	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C203	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C205	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C206	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C207	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C209	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C210	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C211	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C213	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C214	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V

(IPM-94 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C215	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C217	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C218	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C219	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C221	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C222	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C223	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C225	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C226	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C227	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C232	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C233	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C234	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C235	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C236	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C237	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C301	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C302	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C303	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C305	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C306	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C307	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C309	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C310	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C311	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C313	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C314	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C315	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C318	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C319	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C321	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C322	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C323	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C325	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C326	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C327	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C331	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C332	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C333	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C334	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C335	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
IC101	8-759-427-29 s	IC CXD8635Q
IC102	8-759-347-75 s	IC M5M5256CVP-10VXL
IC103	8-752-877-51 s	IC CXP901016-602Q
IC105	8-759-392-77 s	IC SN74LVC245APWR
IC106	8-759-392-81 s	IC SN74LVC16245ADGGR
IC108	8-759-392-77 s	IC SN74LVC245APWR
IC109	8-759-392-77 s	IC SN74LVC245APWR
IC110	8-759-392-81 s	IC SN74LVC16245ADGGR
IC113	8-759-428-03 s	IC MAX793SCSE
IC114	8-759-271-86 s	IC TC7SH04FU
IC115	8-759-523-95 s	IC TC74VHC74FT(EL)
IC116	8-759-447-77 s	IC TC7WH74FU(Te12R)
IC201	8-759-547-09 s	IC KM68FV1000T-7
IC202	8-759-547-09 s	IC KM68FV1000T-7
IC203	8-759-547-09 s	IC KM68FV1000T-7
IC204	8-759-547-09 s	IC KM68FV1000T-7
IC205	8-759-547-09 s	IC KM68FV1000T-7
IC206	8-759-547-09 s	IC KM68FV1000T-7
IC207	8-759-547-09 s	IC KM68FV1000T-7

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Ref. No. or Q'ty	Part No.	SP Description
IC208	8-759-547-09	s IC KM68FV1000T-7
IC209	8-759-547-09	s IC KM68FV1000T-7
IC210	8-759-547-09	s IC KM68FV1000T-7
IC211	8-759-547-09	s IC KM68FV1000T-7
IC212	8-759-547-09	s IC KM68FV1000T-7
IC213	8-759-547-09	s IC KM68FV1000T-7
IC214	8-759-547-09	s IC KM68FV1000T-7
IC215	8-759-447-77	s IC TC7WH74FU (TE12R)
IC301	8-759-547-09	s IC KM68FV1000T-7
IC302	8-759-547-09	s IC KM68FV1000T-7
IC303	8-759-547-09	s IC KM68FV1000T-7
IC304	8-759-547-09	s IC KM68FV1000T-7
IC305	8-759-547-09	s IC KM68FV1000T-7
IC306	8-759-547-09	s IC KM68FV1000T-7
IC307	8-759-547-09	s IC KM68FV1000T-7
IC308	8-759-547-09	s IC KM68FV1000T-7
IC309	8-759-547-09	s IC KM68FV1000T-7
IC310	8-759-547-09	s IC KM68FV1000T-7
IC311	8-759-547-09	s IC KM68FV1000T-7
IC312	8-759-547-09	s IC KM68FV1000T-7
IC313	8-759-547-09	s IC KM68FV1000T-7
IC314	8-759-547-09	s IC KM68FV1000T-7
L101	1-414-398-11	s INDUCTOR 10UH
L102	1-414-398-11	s INDUCTOR 10UH
L103	1-414-398-11	s INDUCTOR 10UH
L104	1-414-398-11	s INDUCTOR 10UH
L105	1-414-398-11	s INDUCTOR 10UH
L106	1-414-398-11	s INDUCTOR 10UH
L107	1-414-398-11	s INDUCTOR 10UH
L108	1-414-398-11	s INDUCTOR 10UH
L201	1-414-398-11	s INDUCTOR 10UH
L203	1-414-398-11	s INDUCTOR 10UH
L205	1-414-398-11	s INDUCTOR 10UH
L207	1-414-398-11	s INDUCTOR 10UH
L209	1-414-398-11	s INDUCTOR 10UH
L211	1-414-398-11	s INDUCTOR 10UH
L213	1-414-398-11	s INDUCTOR 10UH
L216	1-414-398-11	s INDUCTOR 10UH
L301	1-414-398-11	s INDUCTOR 10UH
L303	1-414-398-11	s INDUCTOR 10UH
L305	1-414-398-11	s INDUCTOR 10UH
L307	1-414-398-11	s INDUCTOR 10UH
L309	1-414-398-11	s INDUCTOR 10UH
L311	1-414-398-11	s INDUCTOR 10UH
L313	1-414-398-11	s INDUCTOR 10UH
L316	1-414-398-11	s INDUCTOR 10UH
Q101	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q102	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q103	8-729-141-48	s TRANSISTOR 2SB624-BV345
R106	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R107	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R110	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R111	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R112	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R116	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R117	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R118	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R119	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R121	1-216-849-11	s METAL, CHIP 220K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R122	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R123	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R124	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R126	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R127	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R130	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R131	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R132	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R133	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R134	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R135	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R136	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R137	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R138	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R139	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R140	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R151	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R204	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R205	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R206	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R207	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R208	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R209	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R210	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R211	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R212	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R213	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R214	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R215	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R216	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R217	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R232	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R235	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R237	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R241	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R254	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R304	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R305	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R306	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R307	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R308	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R309	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R310	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R311	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R312	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R313	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R314	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R315	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R316	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R317	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
RB103	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB104	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB105	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB106	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB201	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB202	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB301	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB302	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
X101	1-760-655-21	s VIBRATOR, CRYSTAL

SUPPLIED ACCESSORIES

Ref. No. or Q'ty	Part No.	SP Description
1pc	3-729-013-41	s SCREW(M1.4X3.5), WASHERHEAD(+P)

1-7. DSBK-501/501P

IV-54/54P BOARD

Ref. No. or Q'ty	Part No.	SP Description
C101	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C102	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C104	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C105	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C106	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C109	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C110	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C111	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C112	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C114	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C115	1-162-959-11	s CERAMIC, CHIP 330PF 5% 50V
C117	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C118	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C120	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C121	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C122	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C123	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C124	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C125	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C126	1-162-911-11	s CERAMIC, CHIP 6PF 50V
C128	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C129	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C130	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C131	1-162-912-11	s CERAMIC, CHIP 7PF 50V
C132	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C133	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C134	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C135	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C136	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C138	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C139	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C140	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C141	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C143	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C145	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C147	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C150	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C151	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C152	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C153	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C154	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C155	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C156	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C157	1-164-816-11	s CERAMIC, CHIP 220PF 2% 50V
C158	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C159	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C160	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C161	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C162	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C163	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C164	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C165	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C166	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V
C167	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C168	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C169	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C170	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C171	1-164-315-11	s CERAMIC, CHIP 470PF 5% 50V

(IV-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C172	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C173	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C174	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C175	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C176	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C178	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C179	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C214	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C215	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C216	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C217	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN101	1-793-093-91	o CONNECTOR, BOARD TO BOARD 60P
FL101	1-233-614-11	s FILTER, LOW PASS
IC101	8-759-392-64	s IC AD828AR
IC102	8-759-987-27	s IC LM1881M
IC103	8-759-528-99	s IC TC74VHC221AFT(EL)
IC106	8-759-271-86	s IC TC7SH04FU
IC107	8-759-524-28	s IC TC74VHC245FT(EL)
IC108	8-759-359-66	s IC TL082CPW-E05
IC109	8-752-337-04	s IC CXD1176Q
IC111	8-759-327-65	s IC CXD8525N-E2
IC112	8-759-580-58	s IC MSM7661BGS-BK-R1
IC113	8-759-196-93	s IC TC7SH00FU-TE85R
IC114	8-759-082-60	s IC TC7S66FU
IC116	8-759-349-01	s IC MC68HC68VBIFB
IC118	8-759-447-77	s IC TC7WH74FU(TE12R)
IC135	8-759-447-77	s IC TC7WH74FU(TE12R)
IC218	8-759-524-28	s IC TC74VHC245FT(EL)
IC219	8-759-524-28	s IC TC74VHC245FT(EL)
IC220	8-759-524-28	s IC TC74VHC245FT(EL)
IC221	8-759-196-93	s IC TC7SH00FU-TE85R
IC222	8-759-524-28	s IC TC74VHC245FT(EL)
L101	1-414-402-11	s INDUCTOR 47uH
L102	1-414-402-11	s INDUCTOR 47uH
L103	1-414-398-11	s INDUCTOR 10uH
L104	1-414-402-11	s INDUCTOR 47uH
L106	1-414-402-11	s INDUCTOR 47uH
L108	1-414-402-11	s INDUCTOR 47uH
L111	1-410-393-11	s INDUCTOR, CHIP 100uH
Q101	8-729-427-74	s TRANSISTOR XP4601
Q102	8-729-029-14	s TRANSISTOR DTC144EUA-T106
Q103	8-729-927-74	s TRANSISTOR UMG2
Q104	8-729-028-91	s TRANSISTOR DTA144EUA-T106
Q105	8-729-427-72	s TRANSISTOR XP4501-TXE
Q106	8-729-023-16	s TRANSISTOR SI9953DY-T1
Q107	8-729-117-32	s TRANSISTOR 2SC4177
Q108	8-729-117-32	s TRANSISTOR 2SC4177
Q109	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q110	8-729-045-28	s TRANSISTOR SI4532DY-T1
R101	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R102	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R103	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R105	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R106	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R107	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R108	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R109	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R110	1-216-845-11	s METAL, CHIP 100K 5% 1/16W

(IV-54 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R111	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R112	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R113	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R114	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R115	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R116	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R117	1-216-855-11	s METAL, CHIP 680K 5% 1/16W
R118	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R119	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R120	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R121	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R122	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R123	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R124	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R125	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R126	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R127	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R128	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R129	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R130	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R131	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R132	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R136	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R138	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R140	1-218-866-11	s METAL, CHIP 6.2K 0.50% 1/16W
R141	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R144	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R145	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R150	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R151	1-216-833-91	s METAL, CHIP 10K 5% 1/16W
R152	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R153	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R154	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R156	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R159	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R160	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R161	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R162	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R163	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R164	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R165	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R166	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R167	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R168	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R181	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R182	1-216-864-11	s METAL, CHIP 0 5% 1/16W
RB101	1-239-412-11	s NETWORK RESISTOR (CHIP) 100
RB102	1-239-444-11	s RESUSTIR BLOCK, CHIP 220K
X102	1-760-655-21	s VIBRATOR, CRYSTAL
X103	1-579-466-11	s VIBRATOR, CRYSTAL 3.57954500 MHz [for DSBK-501]
X103	1-579-661-21	s OSCILLATOR, CRYSTAL 4.4336190 MHz [for DSBK-501P]

SECTION 2

SEMICONDUCTOR PIN ASSIGNMENTS

Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

ここに記載されている半導体は、それぞれの機能を等価的に表したものです。なお、互換性のない型名を併記していることがありますので、部品を交換するときは、Spare Partsの章を参照してください。

等価回路はICメーカーのデータブックに従いました。

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HSM88WK-TL	2-4			2SC1623	2-5	UMG2	2-6
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MA132WK	2-4	CL-150SD-CD-T	2-4	2SC4176-T1B34	2-5	UMT1-TN	2-6
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MA133	2-4	CL-150Y-CD-T	2-4	2SC4177-T1L5L6	2-5	XN4312	2-6
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MA3J142E0LSO	2-4	GL4600S	2-4	2SC4213-B	2-5	XN6401-TW	2-6
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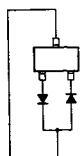
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74LCX04MTCX	2-7	CXK1203AR-T4	2-37	NJM3403AM	2-51	TC4053BFT(EL,N)	2-57
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DIODE, LED

DIODE

—TOP VIEW—

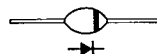


1SS123-T1
1SS226
1SS302
1SS302-TE85L
1SS351-TB
HSM88AS-TL
MA133
(MATSUSHITA)
MA133-TX
MA3J14300LSO

—TOP VIEW—

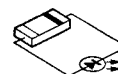


MA795-TX
RB411D
RB411D-T146
SB007-03CP
SB007-03CP-TB
SB01-05CP
SB01-05CP-TB



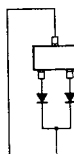
ERC04-06SU2
U05G

LED



CL-150G-CD
CL-150G-CD-T
CL-150SD-CD
CL-150SD-CD-T
CL-150Y-CD
CL-150Y-CD-T

—TOP VIEW—



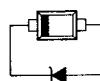
1SS301-TE85L
DAN202U
DAN202UT106
DAN222
DAN222-TL
HSM88WK-TL
MA132WK
MA132WK-TX
MA141WK
MA3J142E0LSO
SB007W03C
SB007W03C-TB
SB05W05C
SB05W05C-TB

—TOP VIEW—



RD11M-B1
RD11M-T1B1
RD2.4M-B
RD2.4M-T1B
RD5.6M-B1
RD5.6M-B2
RD5.6M-T1B
RD5.6M-T1B1
RD6.8M-T1B

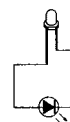
—TOP VIEW—



RD2.0UH-T1
RD4.3UH-T1
RD4.7UH-T1

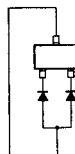


EBR3368S



GL3UR8

—TOP VIEW—

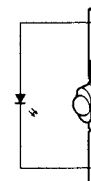


DAP222
DAP222-TL
HSM88WA
HSM88WA-TL
MA132WA
MA132WA-TX
MA3J142D0LSO
MA3J142D0LSO

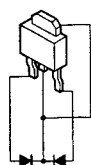
—TOP VIEW—



RD8.2M-B1
RD8.2M-T1B1

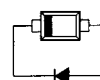


GL4600S



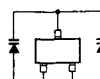
EA60QC06-TE16F2

—TOP VIEW—



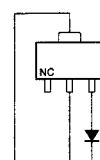
RD9.1UM-T1B2

—TOP VIEW—



KV1470
KV1470TL00

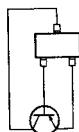
—TOP VIEW—



SB10-05PCP
SB10-05PCP-TD

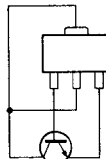
TRANSISTOR

—TOP VIEW—



2SA1162G
2SA1226-E4
2SA1226-T1E3E4
2SA1576A-T106-QR
2SA1576A-T106-R
2SA1610-T1Y34
2SA1610-Y33
2SA1611-M5M6
2SA1611-M6
2SA1611-T1M6
2SA1611T1-M5M6
2SA812-T1M6
2SB624-BV345
2SB624-T1BV4

—TOP VIEW—

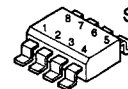
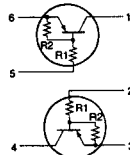


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2SD1623-S

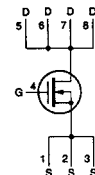
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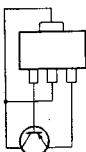
IMB2 (R1=47k, R2=47k)
IMB2-T110



SI4410DY-T1-REVA

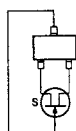


—TOP VIEW—



2SB1115A-YQ
2SB1132-T101-QR
2SB798-DL
2SB798-T1-DLDK

—TOP VIEW—

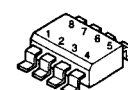
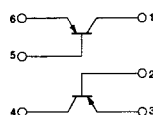


2SK853-K5
2SK853-T1K5
2SK94-T1X2X3X4
2SK94-X2X3X4

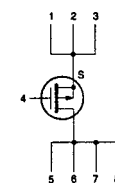
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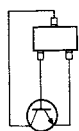
IMT1US (ROHM)
IMT1US-T110



SI4435DY-T1-REVA
SI9435DY-T1

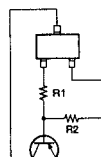


—TOP VIEW—



2SC1009A-FA4
2SC1009A-T1FA4
2SC1623
2SC1623-T1L6
2SC2713-G
2SC2713G-TE85L
2SC4081T106R
2SC4176-B34
2SC4176-T1B34
2SC4177-L6
2SC4177-T1L5L6
2SC4178-F13
2SC4178-T1F13
2SC4213-AB-TE85L
2SC4213-B
2SC4213B-TE85L
2SD2216J-R(TX).SO
2SD596-T1DV4
2SD596DV345

—TOP VIEW—

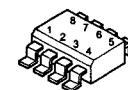
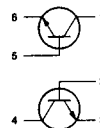


DTA114EUA
(R1=10k, R2=10k)
DTA114EUA-T106
DTA144EUA-T106
(R1=47k, R2=47k)

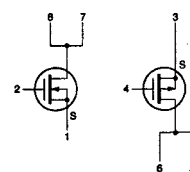
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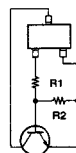
IMX1
IMX1T110
UMB11-TN



SI4532DY-T1

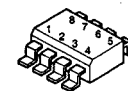
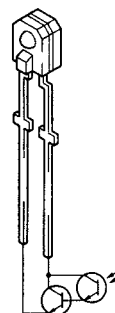


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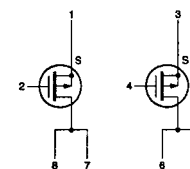


DTC114EUA-T106
(R1=10k, R2=10k)
DTC144EUA-T106
(R1=47k, R2=47k)

PT483F1
PT483F1S



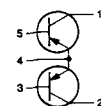
SI9953DY-T1



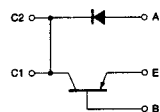
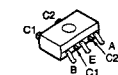
—TOP VIEW—



2SC4207-YGRTE85L



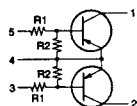
FP102T-TL



TRANSISTOR

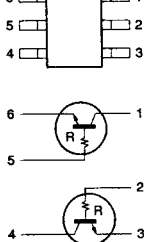
—TOP VIEW—

UMA9-TR
(R1=10k, R2=10k)



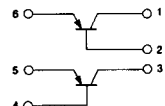
—TOP VIEW—

UMH4-TN (R=47k)



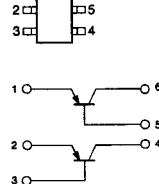
—TOP VIEW—

XN6401
XN6401-TW
XN6435
XN6435-TW



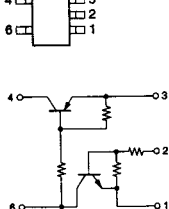
—TOP VIEW—

XP6435-TX



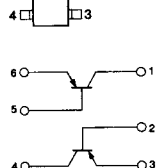
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UMC3TL



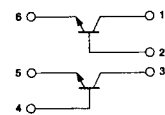
—TOP VIEW—

UMT1
UMT1-TN



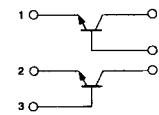
—TOP VIEW—

XN6501
XN6501-TW
XN6534
XN6534-TW



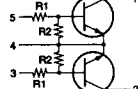
—TOP VIEW—

XP6501-TXE
XP6534-TX



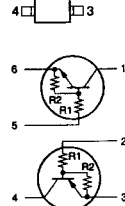
—TOP VIEW—

UMG2
(R1=47k, R2=47k)
UMG2-TR
UMG8-TR
(R1=4.7k, R2=47k)



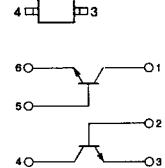
—TOP VIEW—

XN4312
XN4312-TW



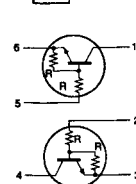
—TOP VIEW—

XP4501-TXE



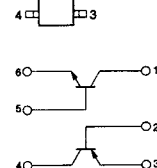
—TOP VIEW—

UMH11
(R1=10k, R2=10k)
UMH11-TN



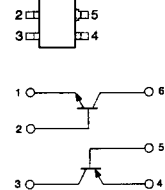
—TOP VIEW—

XN4601
XN4601-TW

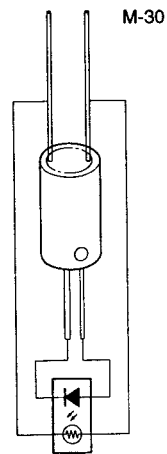
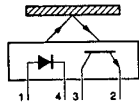
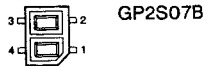


—TOP VIEW—

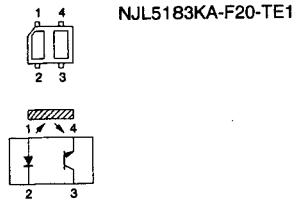
XP4601-TXE



OTHERS



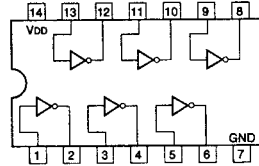
—TOP VIEW—



IC

74AC04SJ (NS)
74AC04SJX
74LCX04MTCX (NS)
SN74HC04APW-E05
SN74HC04APW-E20 (TI)
TC74VHC04FT(EL) (TOSHIBA)

C-MOS HEX INVERTERS
—TOP VIEW—



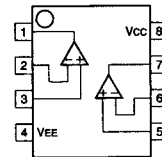
$A \rightarrow \text{inverter} \rightarrow Y = \bar{A}$
 $Y = \bar{A}$

A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

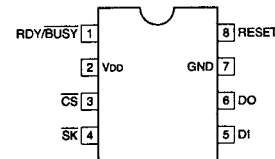
AD828AR (AD)
AD828AR-REEL
BA10358F-E2 (ROHM)
NJM2904M (JRC)
NJM2904M(TE2)
UPC358G2-E2
UPC4572G2-E2 (NEC)

DUAL OPERATIONAL AMPLIFIERS
(SINGLE-SUPPLY TYPE)
—TOP VIEW—

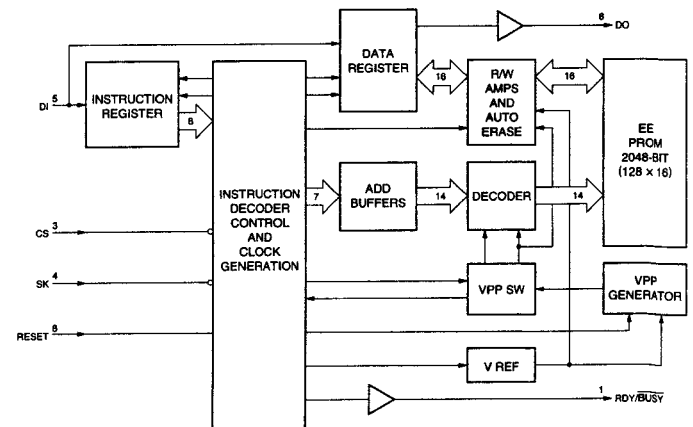


AK6420AF-E2 (ASAHI)

C-MOS 2,048 (128 × 16)-BIT EEPROM
—TOP VIEW—

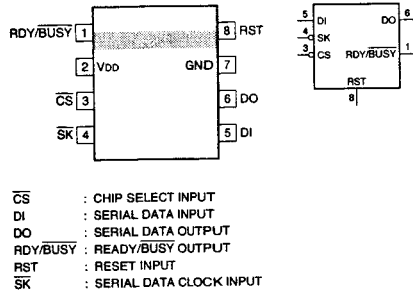


INPUT
CS : CHIP SELECT
DI : DATA INPUT
RESET : RESET
SK : SERIAL CLOCK
OUTPUT
DO : DATA OUTPUT
RDY/BUSY : READY/BUSY

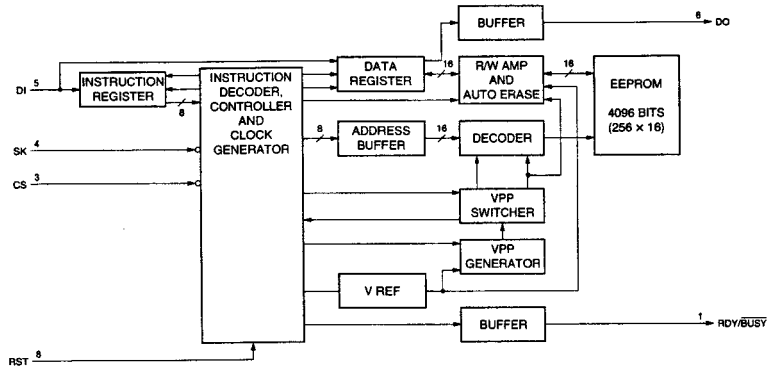


AK6440AF-E2 (ASAHI)

C-MOS 4 K (256 × 16)-BIT SERIAL EEPROM
—TOP VIEW—

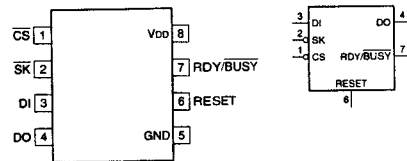


CS : CHIP SELECT INPUT
DI : SERIAL DATA INPUT
DO : SERIAL DATA OUTPUT
RDY/BUSY : READY/BUSY OUTPUT
RST : RESET INPUT
SK : SERIAL DATA CLOCK INPUT



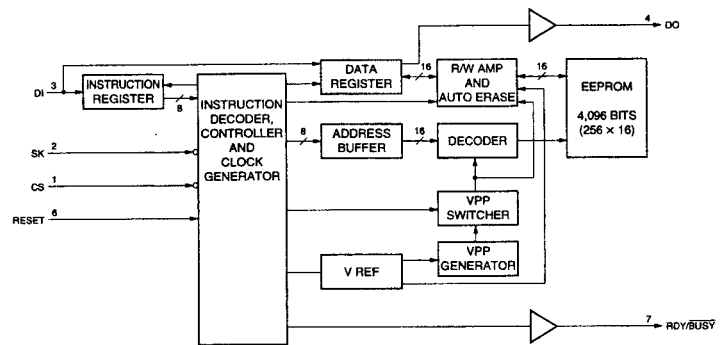
AK6440AM-E2 (ASAHI)

C-MOS 4 K (256 × 16)-BIT SERIAL EEPROM
—TOP VIEW—



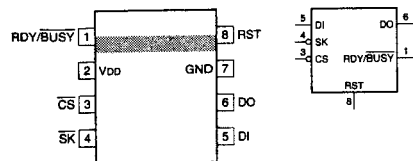
INPUT
CS : CHIP SELECT
DI : SERIAL DATA
RESET : RESET
SK : SERIAL DATA CLOCK

OUTPUT
DO : SERIAL DATA
RDY/BUSY : READY/BUSY

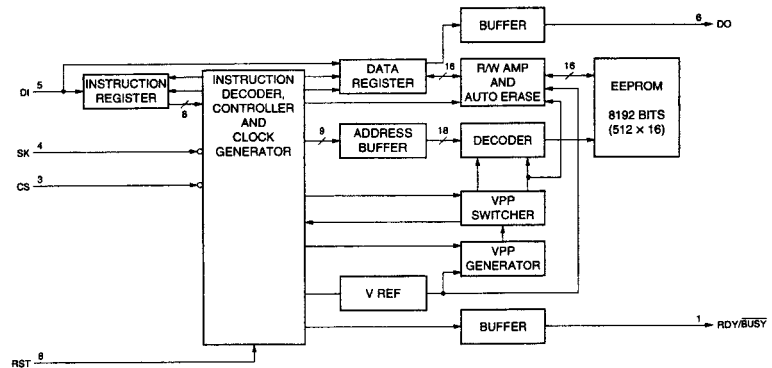


AK6480AF-E2 (ASAHI)

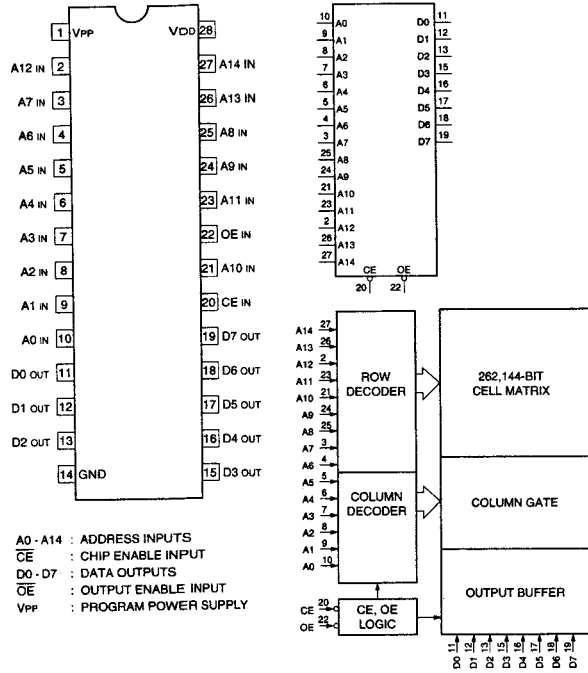
C-MOS 8 K (512 × 16)-BIT SERIAL EEPROM
—TOP VIEW—



CS : CHIP SELECT INPUT
DI : SERIAL DATA INPUT
DO : SERIAL DATA OUTPUT
RDY/BUSY : READY/BUSY OUTPUT
RST : RESET INPUT
SK : SERIAL DATA CLOCK INPUT



AT27C256R-15RC (ATMEL)

C-MOS 256 K (32 K × 8)-BIT UV ERASABLE PROM WITH 3-STATE OUTPUTS
—TOP VIEW—

A _n	CE	OE	V _{DD}	V _{PP}	D _n	FUNCTION
A _n	0	0	+5 V	+5 V	D OUT	READ
A _n	0	1	+5 V	+5 V	HI-Z	OUTPUT DISABLE
x	1	x	+5 V	+5 V	HI-Z	STANDBY
A _n	0	1	+6 V	+12.5 V	D IN	PGM
A _n	1	0	+6 V	+12.5 V	D OUT	PGM VERIFY (1)
A _n	0	0	+6 V	+12.5 V	D OUT	PGM VERIFY (2)
x	1	1	+6 V	+12.5 V	HI-Z	PGM INH
A0	0	0	+5 V	+5 V	DEVICE CODE	ELECTRONIC SIGNATURE*

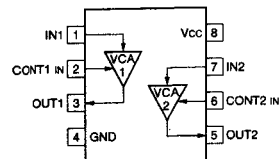
0 : LOW LEVEL
 1 : HIGH LEVEL
 x : DON'T CARE
 HI-Z : HIGH IMPEDANCE

* SEE FOLLOWING DESCRIPTION

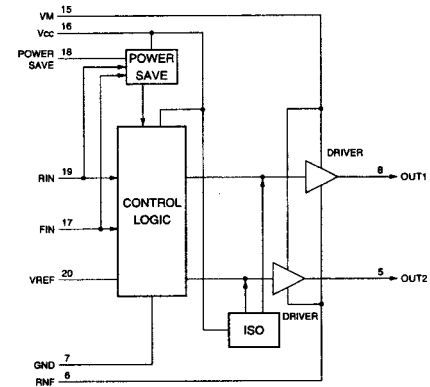
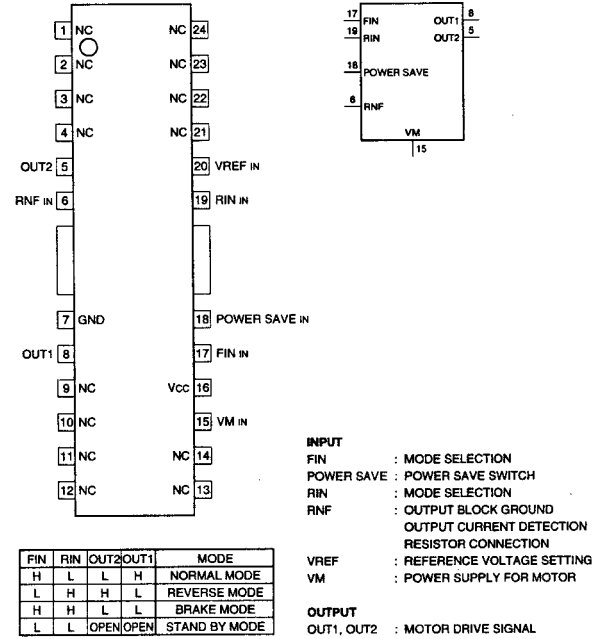
ELECTRONIC SIGNATURE FOR P ROM WRITER

ADDRESS SETTINGS IN READ MODE

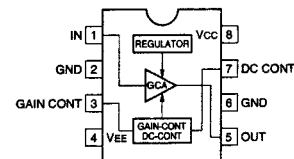
	A0	D7	D6	D5	D4	D3	D2	D1	D0	
MAKER CODE	0	0	0	0	0	0	1	0	0	04H
DEVICE CODE	1	0	1	1	0	0	0	1	0	62H

CXA1211M (SONY)
CXA1211M-T4ELECTRONIC VOLUME
—TOP VIEW—

BA6285FP-E2 (ROHM)

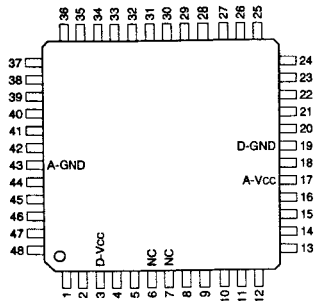
BIPOLA POSSIBLE REVERSE MOTOR DRIVER
—TOP VIEW—

CXA1521M-TH (SONY)

GAIN CONTROL AMP
—TOP VIEW—

CXA1592R (SONY)
CXA1592R-TH

ENCODER FOR CCD COLOR CAMERA
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	R-Y	13	I	MODE	25	I	SYNC	37	I	YTBK
2	I	R-Y CLP	14	I	CS AGC	26	I	SYNC LEVEL	38	I	NOISE SLICE
3	—	D-Vcc	15	I	CSY	27	I	SETUP LEVEL	39	I	YH CLP
4	I	4fsc	16	O	C	28	I	FADER SIG	40	I	YH
5	I	LALT	17	—	A-Vcc	29	I	FADER MODE	41	I	YL-YH CLP
6	—	NC	18	I	C	30	I	Y LEVEL	42	I	YL-YH
7	—	NC	19	—	D-GND	31	O	SHP	43	—	A-GND
8	O	fsc	20	O	CHROMA	32	I	SHP CLP2	44	I	CLP4
9	I	BFG	21	O	V	33	I	DLD	45	I	CLP2
10	I	BF	22	O	Y	34	I	SHP CLP1	46	I	B LEVEL
11	I	CBK	23	I	SETUP CLP	35	I	DLE	47	I	B-Y
12	I	CTBLK	24	I	WC LEVEL	36	I	SHP LEVEL	48	I	B-Y CLP

INPUT

4fsc : 4fsc USED TO MAKE UP THE SUB CARRIER
B LEVEL : CONTROLS THE BURST LEVEL
BF : BURST FLAG PULSE
BFG : INSERTS PULSE SLIGHT LARGER THAN BF ON BOTH ENDS
C : INPUT FOR CHROMA SIGNAL PASSED THROUGH BPF
CBK : COMPOSITE BLANKING PULSE
CLP2, CLP4 : CLAMP2, CLAMP4 PULSE INPUT
CS AGC : SUPPRESS CHROMA SIGNAL AT THE AGC GAIN CONTROL SIGNAL
CSY : SUPPRESS CHROMA SIGNAL AT THE Y SIGNAL
CTBLK : CHROMA TITLER PULSE
DLD : CONNECTS THE DELAY LINE DRIVE SIDE OF THE APERTURE SIGNAL
DLE : CONNECTS THE DELAY LINE END SIDE OF THE APERTURE SIGNAL
FADER MODE : BLACK FADER AND WHITE FADER MODE SELECT
FADER SIG : CONTROLS THE SIGNAL SUPPRESS LEVEL DURING BLACK FADER, CONTROLS THE SIGNAL SUPPRESS LEVEL DURING WHITE FADER AND AT THE SAME TIME CONTROLS THE SET UP LEVEL

LALT : INPUT FOR LINE ALTERNATE SIGNAL DURING PAL MODE

MODE : SELECTS NTSC, PAL OR NTSC x 2, PAL x 2 MODES

NOISE SLICE : CONTROLS THE SLICE LEVEL OF THE APERTURE SIGNAL

R-Y, B-Y : R-Y, B-Y SIGNAL

R-Y, B-Y CLP : CONNECTING THE CAPACITOR FOR R-Y, B-Y MODULATOR CLAMP

SETUP CLP : CONNECTING FOR THE WHITE CLIP CLAMP CAPACITOR

SETUP LEVEL : SET UP LEVEL CONTROL

SHP CLP1, SHP CLP2 : CONNECTS THE CLAMP CAPACITOR USED FOR THE SLICE OF THE APERTURE SIGNAL

SHP LEVEL : CONTROL OF THE APERTURE SIGNAL LEVEL

SYNC : SYNC PULSE

SYNC LEVEL : SYNC LEVEL CONTROL

WC LEVEL : WHITE CLIP LEVEL CONTROL

Y LEVEL : Y SIGNAL LEVEL CONTROL

YH : YH SIGNAL

YH CLP : CONNECTS THE CAPACITOR FOR YH INPUT CLAMP

YL-YH : V APERTURE SIGNALS, TITLER SIGNALS AND YL-YH SIGNALS

YL-YH CLP : CONNECTS THE CAPACITOR FOR YL-YH INPUT CLAMP

YTBK : Y TITLER PULSE

OUTPUT

C : CHROMA SIGNAL OUTPUT

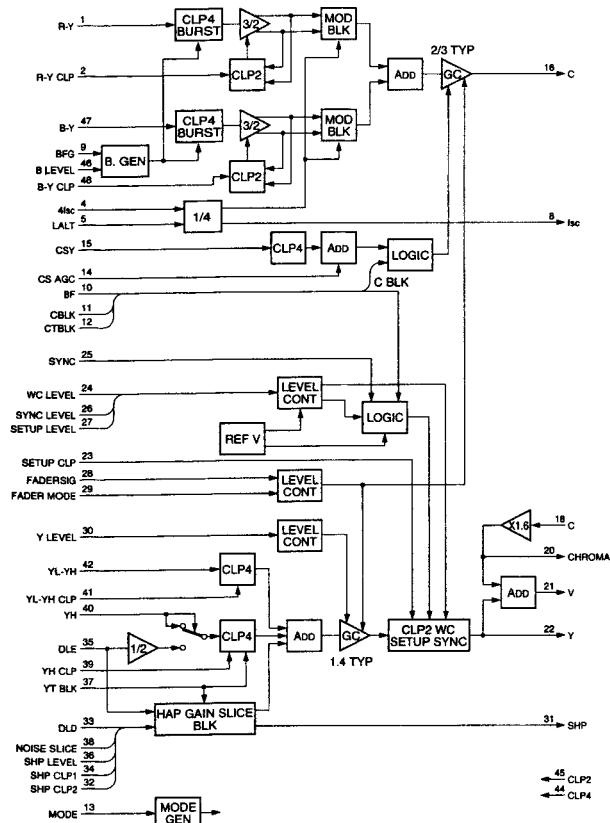
CHROMA : CHROMA SIGNAL OUTPUT WHEN USED FOR Y/C SEPARATION OUTPUT

4fsc : OUTPUTS A SUB CARRIER WITH THE SAME PHASE AS B-Y

SHP : APERTURE SIGNAL

V : COMPOSITE VIDEO SIGNAL

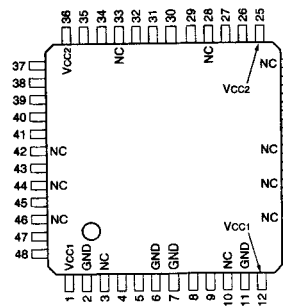
Y : Y SIGNAL OUTPUT WHEN USED FOR Y/C SEPARATION OUTPUT



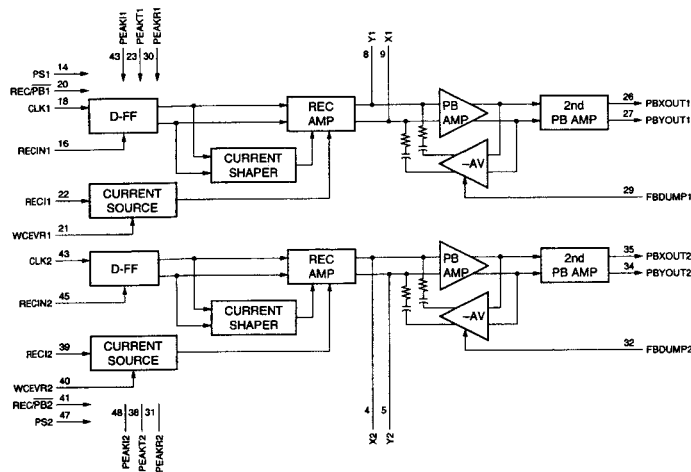
CXA1760Q-T6 (SONY)

RECORD/PLAYBACK AMPLIFIER

—TOP VIEW—



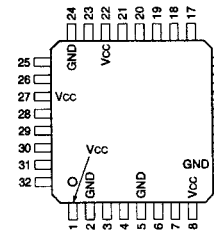
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	VCC1	13	I	PEAK1	25	I	VCC2	37	—	NC
2	—	GND	14	I	PS1	26	O	PBXOUT1	38	I	PEAK2
3	—	NC	15	—	NC	27	O	PBYOUT1	39	I	REC12
4	I/O	X2	16	I	RECIN1	28	—	NC	40	I	WCEVR2
5	I/O	Y2	17	—	NC	29	I	FBDUMP1	41	I	REC/PB2
6	—	GND	18	I	CLK1	30	I	PBIR1	42	—	NC
7	—	GND	19	—	NC	31	I	PBIR2	43	I	CLK2
8	I/O	Y1	20	I	REC/PB1	32	I	FBDUMP2	44	—	NC
9	I/O	X1	21	I	WCEVR1	33	—	NC	45	I	RECIN2
10	—	NC	22	I	REC11	34	O	PBYOUT2	46	—	NC
11	—	GND	23	I	PEAK1	35	O	PBXOUT2	47	I	PS2
12	I	VCC1	24	—	NC	36	I	VCC2	48	I	PEAK2



CXA1762Q-T4 (SONY)

CLOCK DETECT PLL

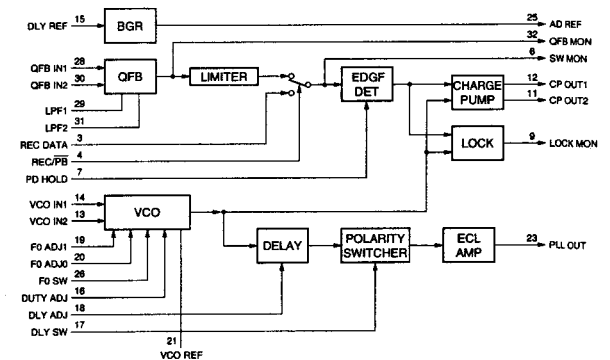
—TOP VIEW—



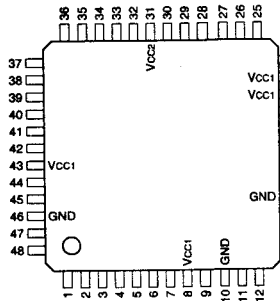
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VCC	17	I	DLY SW
2	—	GND	18	I	DLY ADJ
3	I	REC DATA	19	I	F0 ADJ1
4	I	REC/PB	20	I	F0 ADJ0
5	—	GND	21	—	VCO REF
6	O	SW MON	22	—	Vcc
7	I	PD HOLD	23	O	PLL OUT
8	—	Vcc	24	—	GND
9	O	LOCK MON	25	O	AD REF
10	—	GND	26	I	F0 SW
11	O	CP OUT2	27	—	Vcc
12	O	CP OUT1	28	I	QFB IN1
13	I	VCO IN2	29	—	LPF1
14	I	VCO IN1	30	I	QFB IN2
15	—	DLY REF	31	—	LPF2
16	I	DUTY ADJ	32	O	QFB MON

14	VCO IN1	PLL OUT	23
13	VCO IN2		
19	F0 ADJ1		
20	F0 ADJ0		
21	VCO REF		
22	F0 SW		
23	DUTY ADJ		
17	DLY SW		
18	DLY ADJ		
28	QFB IN1	QFB MON	32
30	QFB IN2		
29	LPF1	SW MON	6
31	LPF2		
3	REC DATA	CP OUT1	12
4	REC/PB	CP OUT2	11
7	PD HOLD	LOCK MON	9
15	DLY REF	AD REF	25

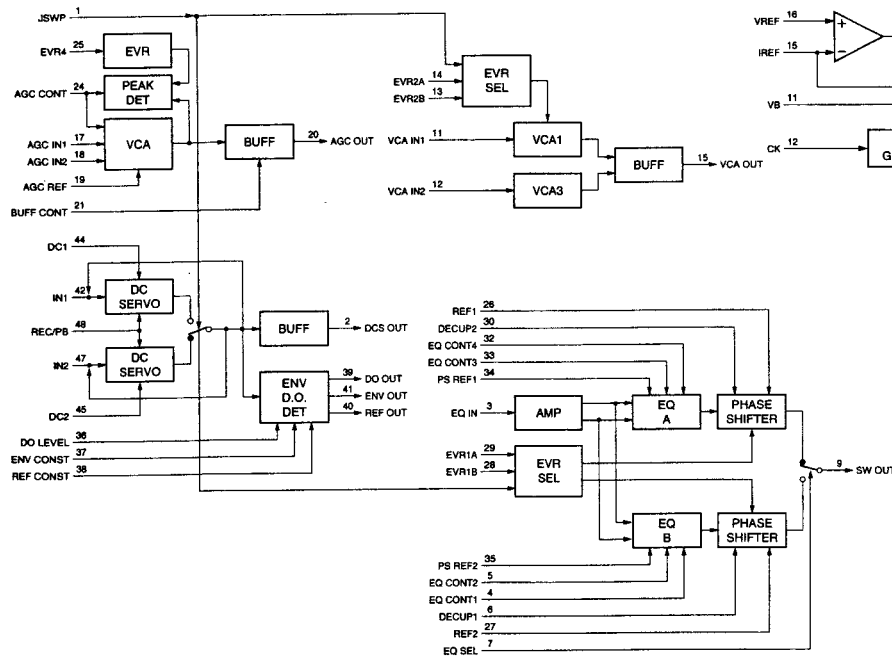
AD REF : A/D REFERENCE VOLTAGE TERMINAL
 CP OUT1, 2 : DIFFERENTIAL ERROR VOLTAGE OUTPUT
 DLY ADJ : PLL OUTPUT DELAY ADJUSTMENT INPUT
 DLY REF : EXTERNAL REFERENCE CURRENT SOURCE TERMINAL
 DLY SW : PLL OUTPUT INVERT/NON-INVERT CONTROL INPUT
 DUTY ADJ : VCO DUTY ADJUSTMENT INPUT
 F0 ADJ0, 1 : VCO FREE-RUN (F0) FREQUENCY ADJUSTMENT INPUT
 F0 SW : VCO FREE-RUN FREQUENCY SELECT INPUT
 LOCK MON : PLL LOCK MONITOR OUTPUT
 PD HOLD : PHASE DETECTOR HOLD/NORMAL SELECT INPUT
 QFB IN1, 2 : PLAYBACK DATA INPUT
 QFB MON : QUANTIZED FEED-BACK EQUALIZER MONITOR OUTPUT
 REC DATA : RECORDING DATA INPUT
 REC/PB : REC/PB SELECT INPUT (H : REC, L : PB)
 SW MON : SW MONITOR OUTPUT
 VCO IN1, 2 : DIFFERENTIAL ERROR VOLTAGE INPUT
 VCO REF : EXTERNAL REFERENCE CURRENT SOURCE TERMINAL



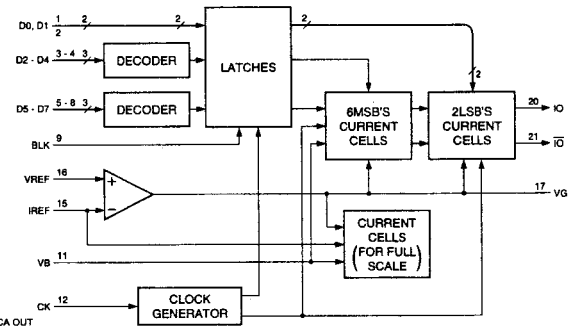
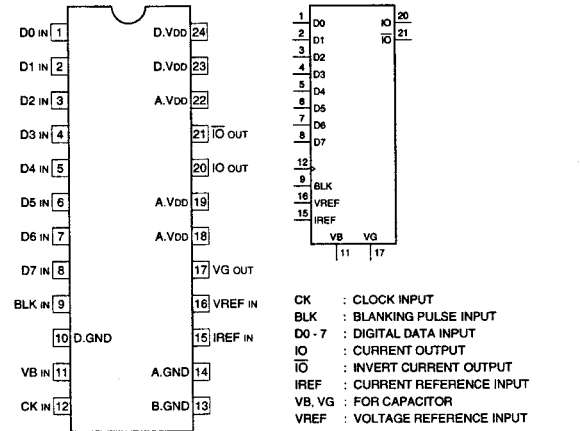
CXA1761R-T4 (SONY)
EQUALIZER FOR DIGITAL VCR
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	JSWP	13	I	EVR2B	25	I	EVR4	37	I	ENV CONST
2	O	DCS OUT	14	I	EVR2A	26	I	REF1	38	I	REF CONST
3	I	EQ IN	15	O	VCA OUT	27	I	REF2	39	O	DO OUT
4	I	EQ CONT1	16	—	GND	28	I	EVR1B	40	O	REF OUT
5	I	EQ CONT2	17	I	AGC IN1	29	I	EVR1A	41	O	ENV OUT
6	I	DECUP1	18	I	AGC IN2	30	I	DECUP2	42	I	IN1
7	I	EQ SEL	19	I	AGC REF	31	I	Vcc2	43	I	Vcc1
8	I	Vcc1	20	O	AGC OUT	32	I	EQ CONT4	44	I	DC1
9	O	SW OUT	21	I	BUFF COUT	33	I	EQ CONT3	45	I	DC2
10	—	GND	22	I	Vcc1	34	I	PS REF1	46	—	GND
11	I	VCA IN1	23	I	Vcc1	35	I	PS REF2	47	I	IN2
12	I	VCA IN2	24	I	AGC CONT	36	I	DO LEVEL	48	I	REC/PB



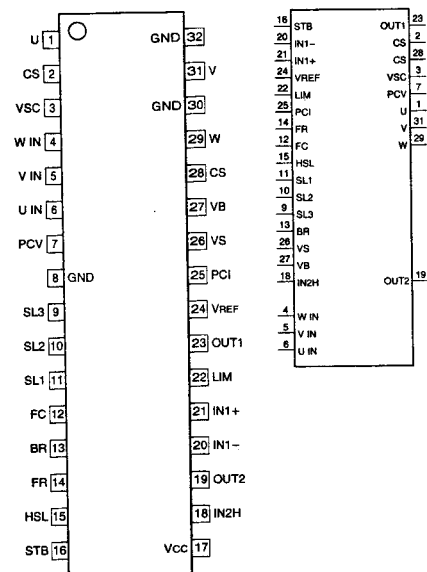
CXD1171M (SONY)
CXD1171M-TH
C-MOS 8-BIT D/A CONVERTER
—TOP VIEW—



CXA1793N-E2 (SONY)

DRUM MOTOR DRIVER

—TOP VIEW—

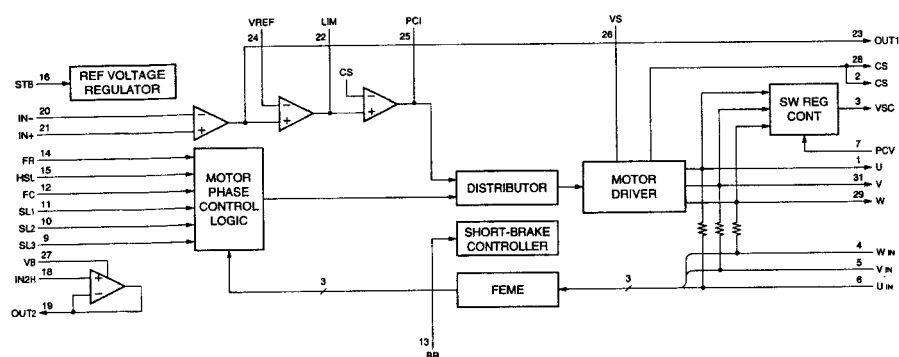


INPUT

BR : SHORT BRAKE CONTROL (H : BRAKING)
 FC : EXTERNAL CAPACITOR TERMINAL FOR SAW-TOOTH OSCILLATOR
 FR : FWD/REV CONTROL (H : FWD)
 HSL : SLOPE CURRENT SELECT
 IN1+ : OPERATIONAL AMPLIFIER NON-INVERTING
 IN1- : OPERATIONAL AMPLIFIER INVERTING
 IN2H : OPERATIONAL AMPLIFIER
 LIM : MAXIMUM OUTPUT CURRENT SELECT
 PCV : PHASE COMPENSATION (CURRENT FEEDBACK)
 PCV : PHASE COMPENSATION (VOLTAGE FEEDBACK)
 SL1 - SL3 : SLOPE WAVE-SHAPING
 STB : STADBY
 U IN : U-PHASE DETECTION
 V IN : V-PHASE DETECTION
 VB : UN-REGULATED POWER
 VREF : SERVO REFERENCE VOLTAGE
 VS : MOTOR DRIVER POWER
 W IN : W-PHASE DETECTION

OUTPUT

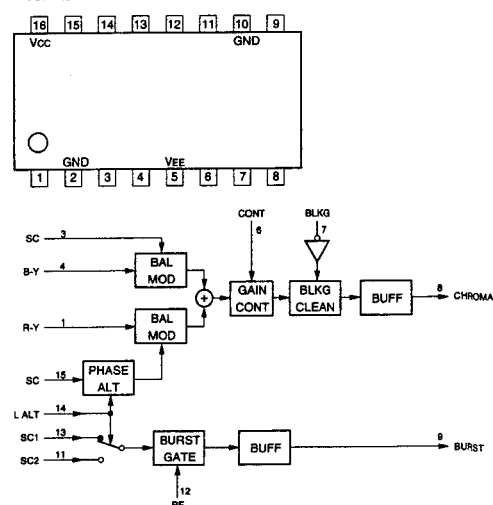
CS : DRIVING CURRENT
 OUT1, 2 : OPERATIONAL AMPLIFIER
 U : U-PHASE DRIVER
 V : V-PHASE DRIVER
 VSC : SWITCHING REGULATOR CONTROL
 W : W-PHASE DRIVER



CXA3178M-T4 (SONY)

VIDEO SIGNAL PROCESSOR

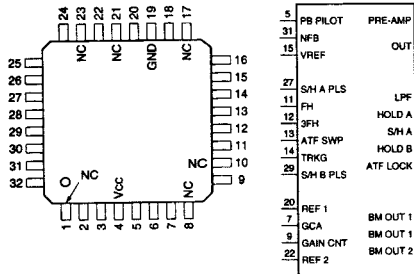
—TOP VIEW—



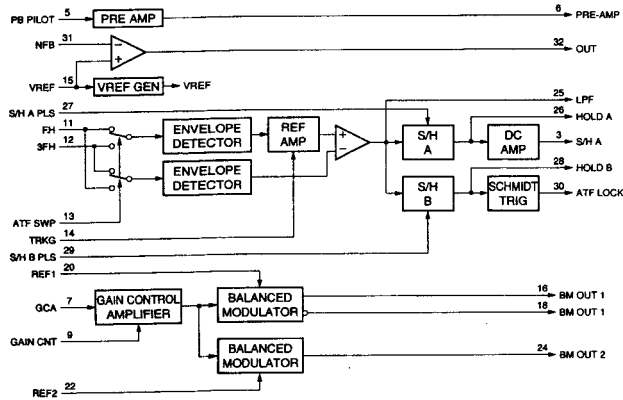
CXA8044Q-T4 (SONY)

BALANCED MODULATOR AND RF ENVELOPE DETECTOR

—TOP VIEW—



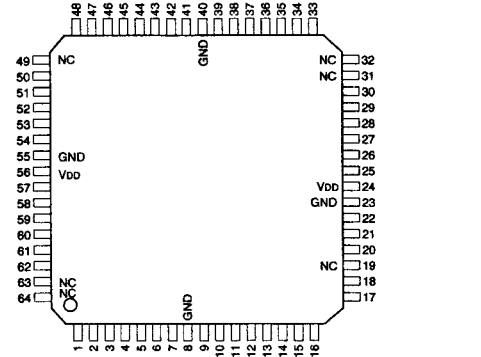
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	NC	17	—	NC
2	—	PB 5V	18	O	BM OUT 1
3	O	S/H A	19	—	GND
4	—	VCC	20	I	REF1
5	I	PB PILOT	21	—	NC
6	O	PRE-AMP	22	I	REF2
7	I	GCA	23	—	NC
8	—	NC	24	O	BM OUT 2
9	I	GAIN CNT	25	—	LPF
10	—	NC	26	O	HOLD A
11	I	FH	27	I	S/H A PLS
12	I	3FH	28	O	HOLD B
13	I	ATF SWP	29	I	S/H B PLS
14	I	TRKG	30	O	ATF LOCK
15	—	VREF	31	I	NFB
16	O	BM OUT 1	32	O	OUT



CXD1095AR (SONY)

C-MOS I/O EXPANDER

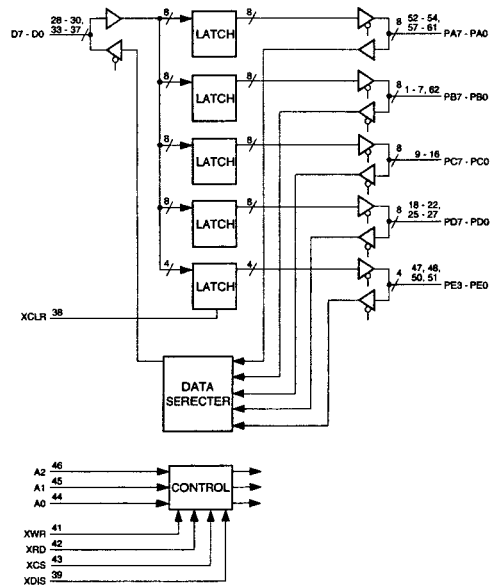
—TOP VIEW—



PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I/O	PB1	17	I/O	NC	33	I/O	D3	49	—	NC
2	I/O	PB2	18	I/O	PD0	34	I/O	D4	50	I/O	PE2
3	I/O	PB3	19	I/O	PD1	35	I/O	D5	51	I/O	PE3
4	I/O	PB4	20	I/O	PD2	36	I/O	D6	52	I/O	PA0
5	I/O	PB5	21	I/O	PD3	37	I/O	D7	53	I/O	PA1
6	I/O	PB6	22	I/O	PD4	38	I	XCLR	54	I/O	PA2
7	I/O	PB7	23	—	GND	39	I	XDIS	55	—	GND
8	—	GND	24	—	VDD	40	—	GND	56	—	VDD
9	I/O	PC0	25	I/O	PD5	41	I	XWR	57	I/O	PA3
10	I/O	PC1	26	I/O	PD6	42	I	XRD	58	I/O	PA4
11	I/O	PC2	27	I/O	PD7	43	I	XCS	59	I/O	PA5
12	I/O	PC3	28	I/O	D0	44	I	A0	60	I/O	PA6
13	WO	PC4	29	I/O	D1	45	I	A1	61	I/O	PA7
14	I/O	PC5	30	I/O	D2	46	I	A2	62	I/O	PB0
15	I/O	PC6	31	—	NC	47	I/O	PE0	63	—	NC
16	I/O	PC7	32	—	NC	48	I/O	PE1	64	—	NC

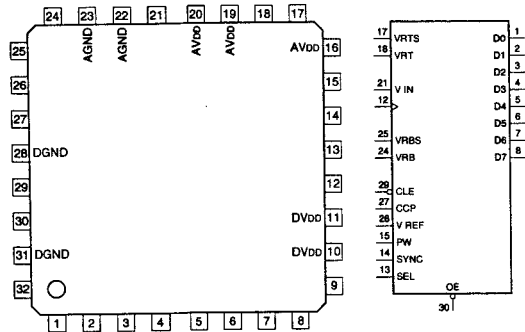
INPUT
A0 - A3 : ADDRESS
XCLR : CLEAR
XCS : CHIP SELECT
XDIS : DISABLE
XRD : READ
XWR : WRITE

INPUT/OUTPUT
DO - 7 : DATA BUS
PA0 - A7 : PORT 1
PB0 - B7 : PORT 2
PC0 - C7 : PORT 3
PD0 - D7 : PORT 4
PE0 - E7 : PORT 5



CXD1176Q (SONY)
CXD1176Q-T4

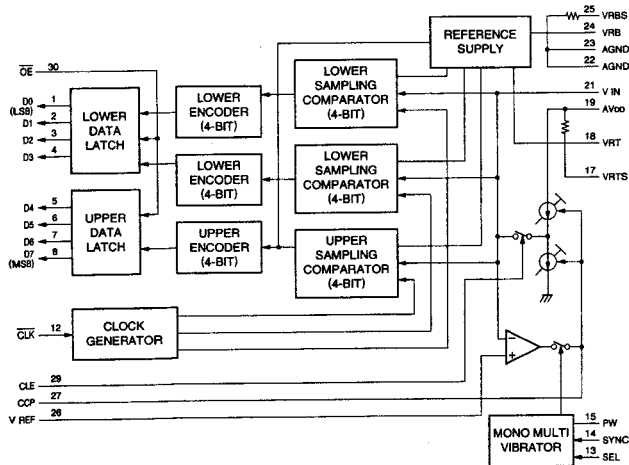
C-MOS 8-BIT 20MSPS VIDEO A/D CONVERTER
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	D0(LSB)	17	I	VRTS
2	O	D1	18	I	VRT
3	O	D2	19	—	AVDD
4	O	D3	20	—	AVDD
5	O	D4	21	I	V IN
6	O	D5	22	—	AGND
7	O	D6	23	—	AGND
8	O	D7(MSB)	24	I	VRB
9	—	NC	25	I	VRBS
10	—	DVDD	26	I	VREF
11	—	DVDD	27	I	CCP
12	I	CLK	28	—	DGND
13	I	SEL	29	I	CLE
14	I	SYNC	30	I	OE
15	I	PW	31	—	DGND
16	—	AVDD	32	—	NC

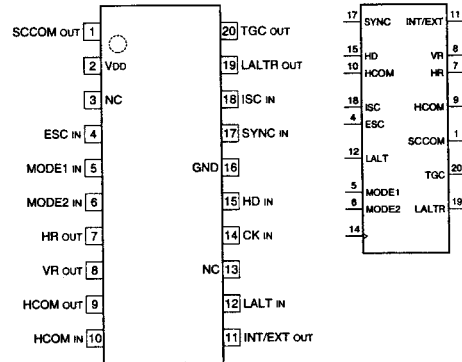
INPUT
CCP : CLAMP CONTROL VOLTAGE FOR INTEGRATOR
CLE : CLAMP ENABLE
CLK : CLOCK
CLP : CLAMP PULSE
OE : OUTPUT ENABLE
PW : PULSE WIDTH FOR MONO MULTI
SEL : TRIGGER SELECT
SYNC : TRIGGER PULSE FOR MONO MULTI VIBRATOR
V IN : ANALOG
VRB : REFERENCE VOLTAGE (BOTTOM)
VRBS : SELF REFERENCE VOLTAGE SHORT (+0.5 V/BOTTOM)
VREF : VOLTAGE REFERENCE FOR CLAMP
VRT : REFERENCE VOLTAGE (TOP)
VRTS : SELF REFERENCE VOLTAGE SHORT (+2.6 V/TOP)

OUTPUT
D0 - D7 : DATA



CXD1216M (SONY)
CXD1216M-TH

C-MOS GENLOCK DRIVER
—TOP VIEW—

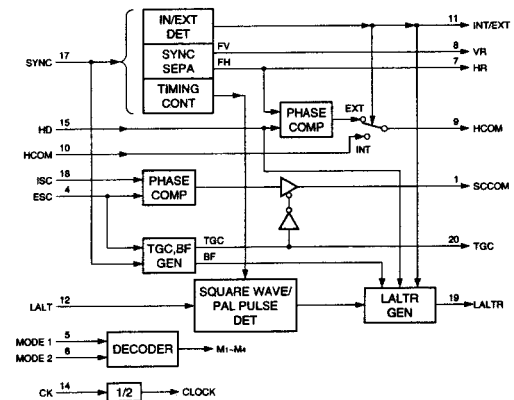


INPUT	MODE1	MODE2	MODE	SYSTEM
0	0	0	M1	PAL-VBS
1	0	1	M2	PALM-VBS
0	1	0	M3	PAL SECAM-VS/SC/LALT
1	1	1	M4	NTSC-VBS, NTSC-VS/SC/LALT

0 : LOW LEVEL
1 : HIGH LEVEL

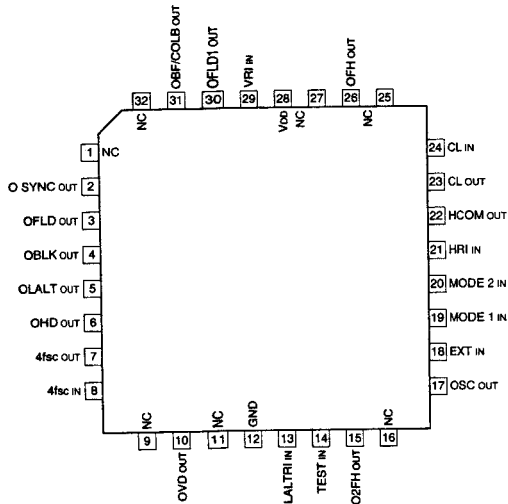
INPUT
CK : 4194 Hz CLOCK INPUT
ESC : SC/COLOR BURST
HCOM : PHASE COMPARE FROM CXD1217
HD : H DRIVE FROM CXD1217
ISC : SUBCARRIER FROM CXD1217
LALT : LALT FROM REFERENCE SIGNAL GENERATOR
MODE1, 2 : SYSTEM SELECT
SYNC : SYNC FROM REFERENCE SIGNAL GENERATOR

OUTPUT
HCOM : PHASE COMPARE HR WITH HD
HR : H OF SYNC SEPARATE
INT/EXT : INTERNAL/EXTERNAL SPECIFIED
LALTR : LINE CHANGE RESET
SCCOM : PHASE COMPARE ESC WITH ISC
TGC : TRISTATE CONTROL
VR : V OF SYNC SEPARATE



CXD1217Q (SONY)
CXD1217Q-T4

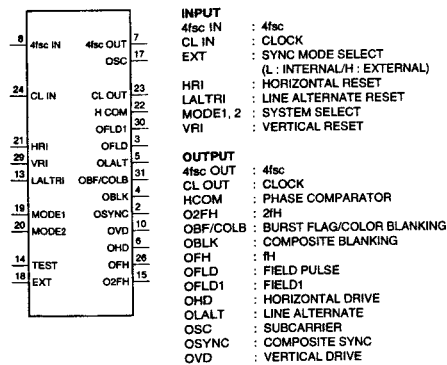
C-MOS SYNC GENERATOR
—TOP VIEW—



SYSTEM	4fsc	CLOCK
NTSC	910fh	910fh
PAL	1135fh + 2V	908fh
PALM	909fh	910fh
SECAM	—	908fh

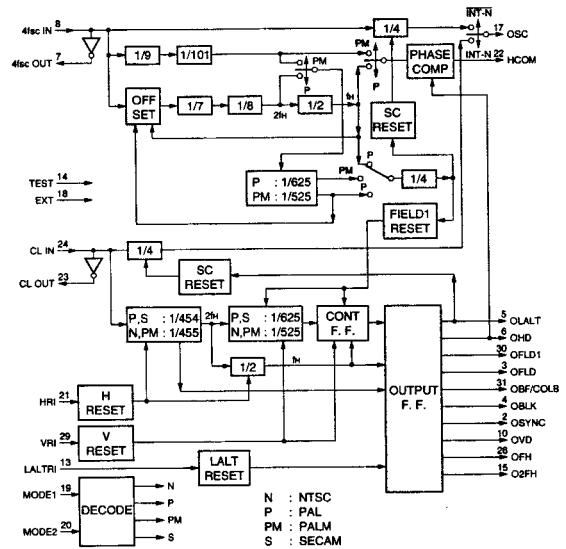
INPUT		SYSTEM
MODE1	MODE2	
0	0	NTSC
0	1	SECAM
1	0	PALM
1	1	PAL

0 : LOW LEVEL
1 : HIGH LEVEL

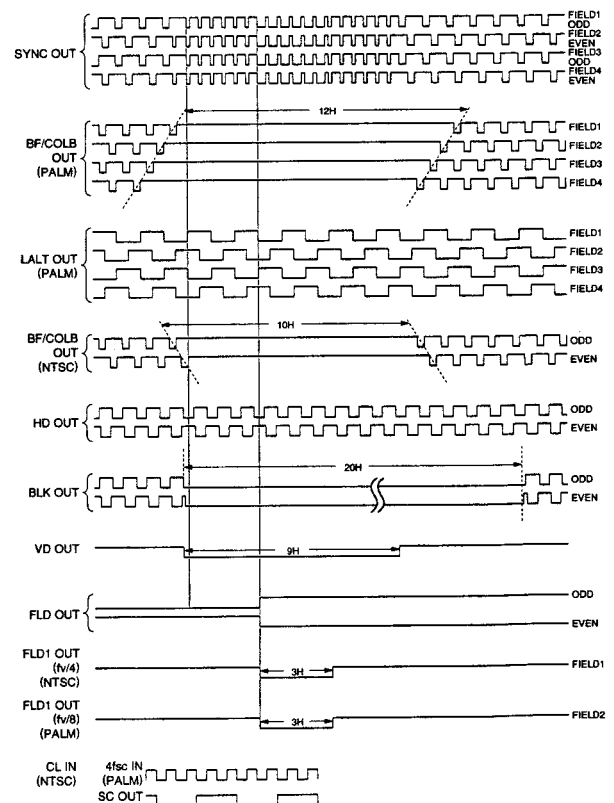


INPUT
4fsc IN : 4fsc
CL IN : CLOCK
EXT : SYNC MODE SELECT
(L : INTERNAL/H : EXTERNAL)
HRI : HORIZONTAL RESET
LALTRI : LINE ALTERNATE RESET
MODE1, 2 : SYSTEM SELECT
VRI : VERTICAL RESET

OUTPUT
4fsc OUT : 4fsc
CL OUT : CLOCK
HCOM : PHASE COMPARATOR
O2FH : BURST FLAG/COLOR BLANKING
OBLK : COMPOSITE BLANKING
OFH : FIELD PULSE
OFLD1 : FIELD1
OHD : HORIZONTAL DRIVE
OLALT : LINE ALTERNATE
OSC : SUBCARRIER
OSYNC : COMPOSITE SYNC
OVD : VERTICAL DRIVE



(NTSC, PALM)

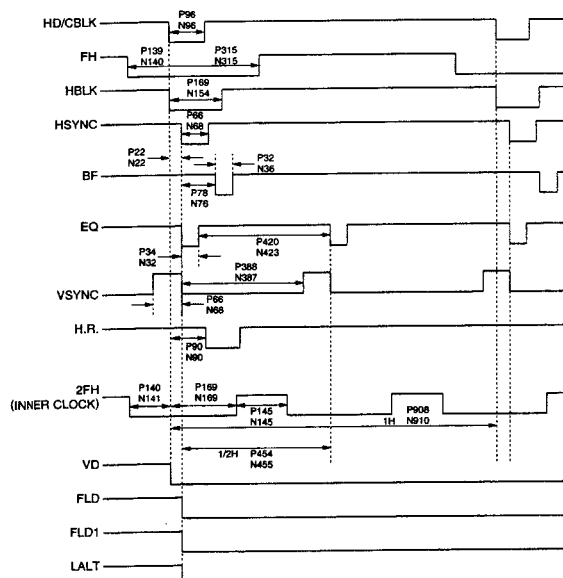
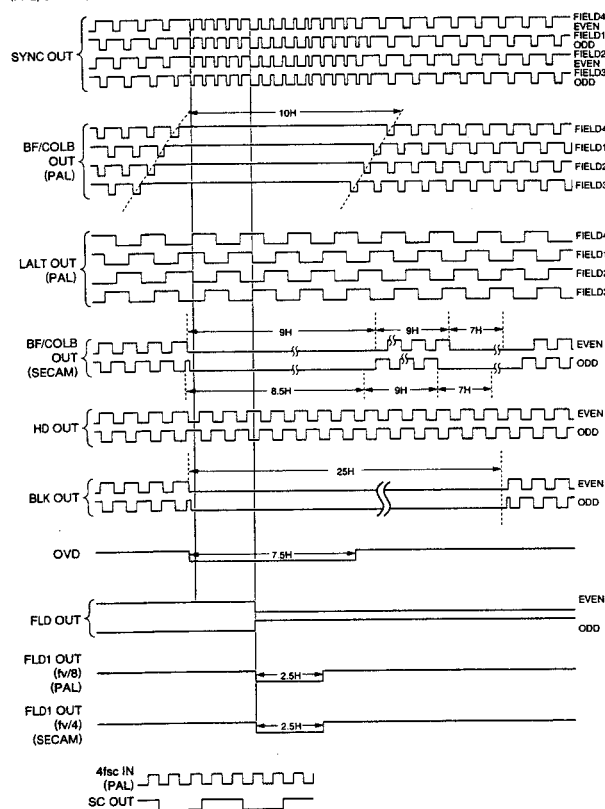
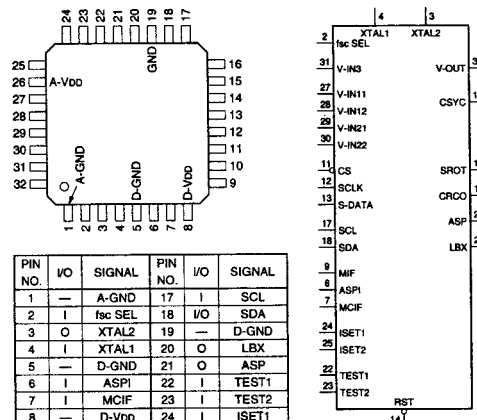


CXD2131Q-T4 (SONY)

C-MOS VIDEO ADDITIONAL DATA (ASPECT RATIO IDENTIFICATION)
ENCODER/DECODER

—TOP VIEW—

(PAL, SECAM)

P : PAL, SECAM
N : NTSC, PALM

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	A-GND	17	I	SCL
2	I	fsc SEL	18	I/O	SDA
3	O	XTAL2	19	—	D-GND
4	I	XTAL1	20	O	LBX
5	—	D-GND	21	O	ASP
6	I	ASPI	22	I	TEST1
7	I	MCIF	23	I	TEST2
8	—	D-VDD	24	I	ISSET1
9	I	MIF	25	I	ISSET2
10	I/O	SROT	26	—	A-VDD
11	I	CS	27	I	V-IN11
12	I	SCLK	28	I	V-IN12
13	I	S-DATA	29	I	V-IN21
14	I	RST	30	I	V-IN22
15	O	CRCO	31	I	V-IN3
16	O	CSYC	32	O	V-OUT

INPUT

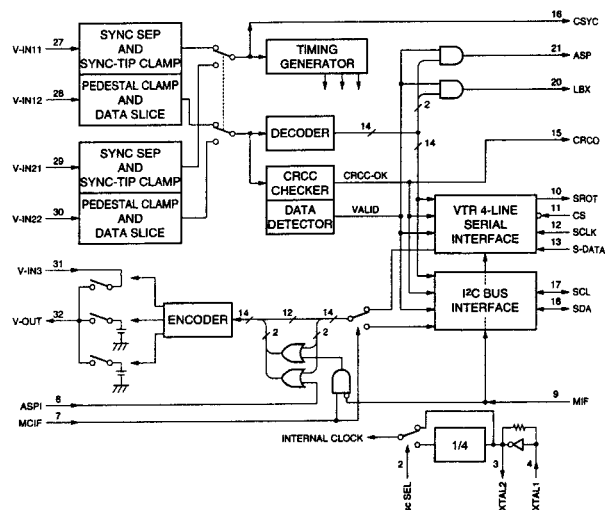
ASPI : ASPECT SELECT (H = 16 : 9, L = 4 : 3)
 CS : CHIP SELECT
 fsc SEL : fsc/4fsc SELECT
 ISET1, ISET2 : ANALOG BIAS CURRENT SETTING
 MCIF : MICROCOMPUTER INTERFACE SELECT (L = I2C, H = SERIAL)
 MIF : MICROCOMPUTER INTERFACE SELECT (L = EXIST, H = NONE)
 RST : RESET
 SCL : I2C BUS CLOCK
 SCLK : CLOCK
 S-DATA : SERIAL DATA
 TEST1, TEST2 : FOR TEST
 V-IN11 : SYNC SEP INPUT
 V-IN12 : DECODE DATA SLICER INPUT
 V-IN21 : SYNC SEP INPUT
 V-IN22 : DECODE DATA SLICER INPUT
 V-IN3 : ENCODE INPUT
 XTAL1 : CRYSTAL OSCILLATOR

OUTPUT

ASP : ASPECT (H = 16 : 9, L = 4 : 3)
 CRCO : CRCC CHECK MONITORING
 CSYC : COMPOSITE SYNC MONITORING
 LBX : LETTER BOX (H = LETTER BOX, L = NORMAL)
 V-OUT : ENCODE OUTPUT
 XTAL2 : CRYSTAL OSCILLATOR

INPUT/OUTPUT

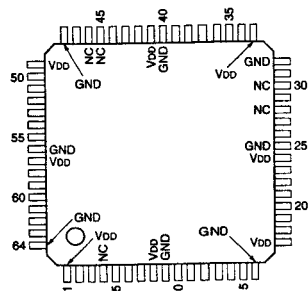
SDA : I2C BUS DATA
 SROT : SERIAL INTERFACE OUTPUT TO THE MICROCOMPUTER



CXD2183R (SONY)

C-MOS SIGNAL PROCESSOR (DIGITAL VTR)

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	VDD	17	—	VDD	33	—	VDD	49	—	VDD
2	I	VFB	18	I/O	PB0	34	I/O	C7	50	I	XRST
3	I	HFON	19	I/O	PB1	35	I/O	C6	51	O	CEN
4	—	NC	20	I/O	PB2	36	I/O	C5	52	I	T2
5	I/O	SYNR	21	I/O	PB3	37	I/O	C4	53	I	T1
6	I/O	PRPB0	22	I/O	PB4	38	I/O	C3	54	O	T0
7	I/O	PRPB1	23	I/O	PB5	39	I/O	C2	55	I	CLK
8	—	VDD	24	—	VDD	40	—	GND	56	—	GND
9	—	GND	25	—	GND	41	—	VDD	57	—	VDD
10	I/O	PRPB2	26	I/O	PB6	42	I/O	C1	58	O	QEN
11	I/O	PRPB3	27	I/O	PB7	43	I/O	C0	59	O	PRB
12	I/O	PRPB4	28	—	NC	44	I/O	SYNP	60	O	PRB
13	I/O	PRPB5	29	I	XPAS	45	—	NC	61	O	NVP
14	I/O	PRPB6	30	—	NC	46	—	NC	62	O	NHP
15	I/O	PRPB7	31	I	MODE	47	I	CINV	63	I	REC
16	—	GND	32	—	GND	48	—	GND	64	—	GND

INPUT

CINV : PR/PB LINE SEQUENTIAL INVERT SIGNAL

CLK : CLOCK

HFON : HORIZONTAL FILTER ON/OFF (H : ON, L : OFF)

MODE : OPERATION MODE SW

REC : REC/PB SELECT (H : REC, L : PB)

T1 : TEST SIGNAL

T2 : TEST SIGNAL

VFB : VERTICAL FILTER ON/OFF (H : ON, L : OFF)

XPAS : THROUGH OUT PRPB ↔ C, SYN ↔ SYNP

XRST : RESET

OUTPUT

CEN : EXTERNAL SYNC TEST MONITOR

QEN : TIMING GENERATOR TEST MONITOR

NHP : TIMING GENERATOR TEST MONITOR

NVP : TIMING GENERATOR TEST MONITOR

PRB : TIMING GENERATOR TEST MONITOR

PRB : TIMING GENERATOR TEST MONITOR

T0 : TEST SIGNAL

INPUT/OUTPUT

C0 - C7 : PB DATA

PB0 - PB7 : LINE SEQUENTIALIZE PR, PB DATA

PRPB0 - PRPB7 : PR, PB DATA

SYNP : CHROMA REFERENCE SYNC

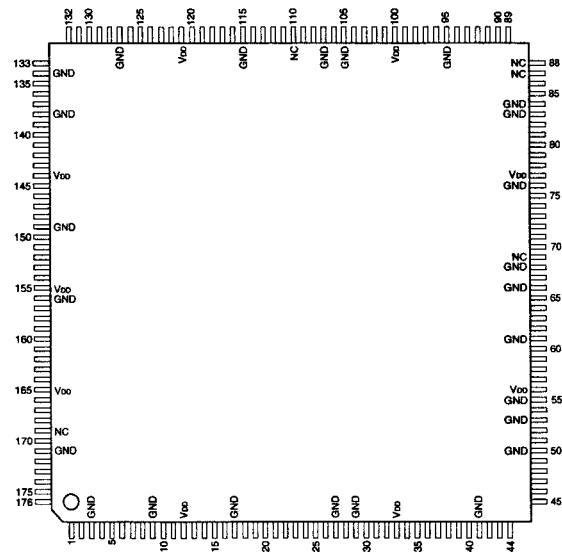
SYNR : PR/PB REFERENCE SYNC

MODE	PRPB0 - PRPB7
L	PR DATA
H	13.5 MHz RATE TIME MULTIPLEXED PR, PB DATA

CXD2187AR (SONY)

SIGNAL PROCESSOR FOR THE DIGITAL VCR

—TOP VIEW—

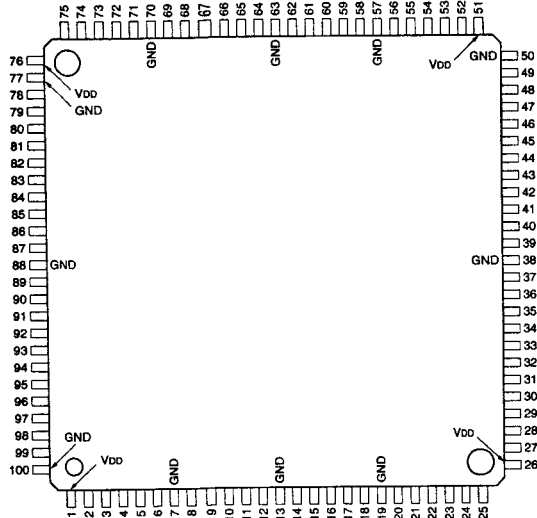


PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	SMODE	45	I	SDI1	89	I/O	IDT15	133	I/O	IDT0
2	I	TMODE	46	O	SDO1	90	I/O	IDT14	134	—	GND
3	—	GND	47	I/O	SIO0	91	I	JSWP	135	I/O	FIDT2
4	O	ADRS4	48	O	DT0E	92	I/O	IDT13	136	I/O	FIDT1
5	O	ADRS5	49	I	RAMTEST	93	I/O	IDT12	137	I/O	FIDT0
6	O	ADRS6	50	—	GND	94	I/O	IDT11	138	—	GND
7	O	ADRS7	51	O	TRP	95	—	GND	139	I	BUFPS
8	O	ADRS8	52	O	FRP	96	I/O	IDT10	140	I	AENA
9	—	GND	53	—	GND	97	I/O	IDT9	141	O	ASTART
10	O	RAS	54	I	VRCK	98	I/O	IDT8	142	O	ADTOT
11	O	UWE	55	—	GND	99	I/O	IDT7	143	I	ADTIN
12	—	VDD	56	—	VDD	100	—	VDD	144	—	VDD
13	O	LWE	57	O	DTSC0	101	I/O	IDT6	145	O	SPSI
14	I/O	W7	58	O	DTSC1	102	I/O	IDT5	146	I	SPSO
15	I/O	SIO7	59	O	DTSC2	103	I/O	IDT4	147	I	SPSCK
16	I/O	W6	60	O	DTSC3	104	I/O	IDT3	148	I	XRST
17	—	GND	61	—	GND	105	—	GND	149	—	GND
18	I/O	SIO6	62	O	DTSC4	106	I	TRCK	150	I	SPCS
19	I/O	SIO12	63	O	DTSC5	107	—	GND	151	I	MCOS
20	I/O	W13	64	O	DTSC6	108	I	FLTT	152	I	MCSCCK
21	I/O	SIO13	65	O	DTSC7	109	I	TRKT	153	I	MCSO
22	I/O	W14	66	—	GND	110	—	NC	154	O	MCSI
23	I/O	SIO14	67	I	VPCK	111	O	IENPA	155	—	VDD
24	I/O	W15	68	—	GND	112	O	IENPV	156	—	GND
25	I/O	SIO15	69	—	NC	113	O	IOEC	157	I/O	W12
26	O	SE	70	I	SYCS	114	O	BUFSF	158	I/O	SIO11
27	—	GND	71	I	SCDVCS	115	—	GND	159	I/O	W11
28	O	SC	72	I	VADVCS	116	I/O	FIDT15	160	I/O	SIO10
29	—	GND	73	I	DTCS0	117	I/O	FIDT14	161	I/O	W10
30	I/O	W5	74	I	DTCS1	118	I/O	FIDT13	162	I/O	SIO9
31	I/O	SIO5	75	I	DTCS2	119	I/O	FIDT12	163	I/O	W9
32	I/O	W4	76	—	GND	120	I/O	FIDT11	164	I/O	SIO8
33	—	VDD	77	—	VDD	121	—	VDD	165	—	VDD
34	I/O	SIO4	78	I	DTCS3	122	I/O	FIDT10	166	I/O	W8
35	I/O	W3	79	I	DTCS4	123	I/O	FIDT9	167	O	DSF
36	I/O	SIO3	80	I	DTCS5	124	I/O	FIDT8	168	O	CAS
37	I/O	W2	81	I	DTCS6	125	I/O	FIDT7	169	—	NC
38	I/O	SIO2	82	I	DTCS7	126	I/O	FIDT6	170	O	ADRS0
39	—	GND	83	—	GND	127	—	GND	171	—	GND
40	I/O	W1	84	—	GND	128	I/O	FIDT5	172	O	ADRS1
41	I/O	SIO1	85	I	TBCRE	129	I/O	FIDT4	173	O	ADRS2
42	I/O	W0	86	I	BANK	130	I/O	FIDT3	174	O	ADRS3
43	I	ACLK1	87	—	NC	131	I/O	IDT2	175	I	IDSL1
44	I	BCLK1	88	—	NC	132	I/O	IDT1	176	I	IDSL0

CXD2190R-T6 (SONY)

DIGITAL VCR AUDIO REC/PB SIGNAL PROCESSOR

—TOP VIEW—



INPUT

- 256CK : 256fs CLOCK INPUT
- ACS : COMMUNICATION CHIP SELECT (L = ACTIVE) INPUT
- ATT : AUTO ATTENUATION INTERFACE CHIP SELECT INPUT
- BCKI : 64fs INPUT
- DATI : AUDIO DATA INPUT
- DSP : ADSP INTERFACE CHIP SELECT INPUT
- FLTA : FRAME SIGNAL FOR RECORDING INPUT
- FLTT : FRAME SIGNAL FOR TRANSMISSION AND PLAYBACK INPUT
- JDAT : EXTERNAL DEVICE INTERFACE INPUT
- JRDY : EXTERNAL DEVICE INTERFACE INPUT
- LRCI : 1fs CLOCK INPUT
- MUTE : DIRECT MUTE INPUT (L = MUTE)
- P-SAVE : POWER SAVE INPUT (L = POWER SAVE)
- RST : RESET INPUT (L = RESET)
- SCK : SYSTEM CLOCK INPUT
- SFDP : PLAYBACK DATA INPUT
- SPSI : COMMUNICATION DATA INPUT
- STRT : REC/PB DATA COMMUNICATION START PULSE INPUT
- TRCK : MAIN CLOCK INPUT (NTSC = 18.1259 MHz, PAL = 18.144 MHz)
- TSAD : FOR TEST
- TSTM : FOR TEST
- TTCK : AUTO ATTENUATION AND ADSP INTERFACE CLOCK INPUT
- VST : FOR TEST

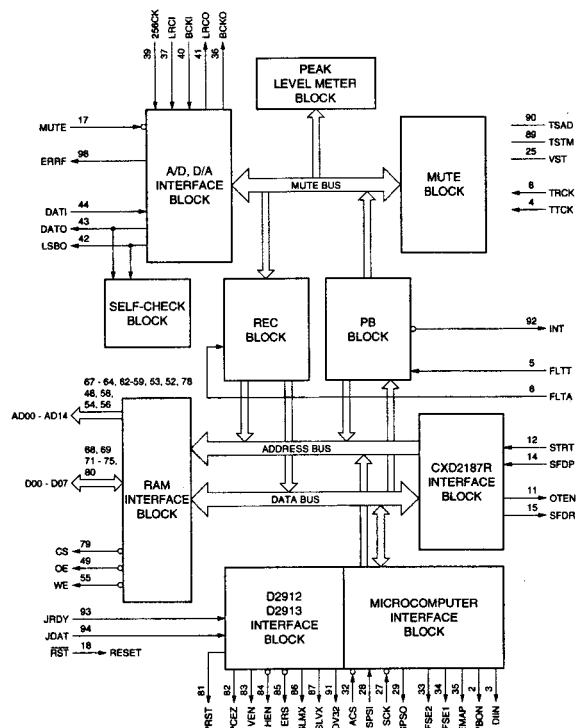
OUTPUT

- ATC : AUTO ATTENUATION INTERFACE CLOCK OUTPUT
- ATLT : AUTO ATTENUATION INTERFACE LATCH PULSE OUTPUT
- AO00 - AO14 : EXTERNAL RAM ADDRESS OUTPUT
- BCKO : 64fs OUTPUT
- CS : EXTERNAL RAM CHIP SELECT SIGNAL OUTPUT
- PBON : MICROCOMPUTER INTERFACE SERIAL/PARALLEL OUTPUT (WORD2/BIT0)
- DATO : AUDIO DATA OUTPUT
- DIIN : MICROCOMPUTER INTERFACE SERIAL/PARALLEL OUTPUT (WORD2/BIT1)
- DSPO : ADSP INTERFACE CLOCK OUTPUT
- DV32 : EXTERNAL DEVICE INTERFACE OUTPUT
- EMPA : MICROCOMPUTER INTERFACE SERIAL/PARALLEL OUTPUT (WORD2/BIT3)
- ERRF : PB AUDIO DATA ERROR ID SIGNAL OUTPUT
- ERS : EXTERNAL DEVICE RESET OUTPUT
- FSE1, FSE2 : MICROCOMPUTER INTERFACE SERIAL/PARALLEL OUTPUT (WORD2/BIT4, 5)
- HEN : EXTERNAL DEVICE INTERFACE OUTPUT
- INT : PHASE COMPARTOR CLOCK OUTPUT
- LRCO : 1fs OUTPUT
- LSBO : AUDIO DATA OUTPUT (LSB FIRST)
- OE : EXTERNAL RAM OUTPUT ENABLE SIGNAL OUTPUT
- OTEN : ENABLE OUTPUT FOR RECORDING DATA TRANSMISSION
- PCEZ : EXTERNAL DEVICE INTERFACE OUTPUT
- PRST : EXTERNAL DEVICE INTERFACE OUTPUT
- SFDO : RECORDING DATA OUTPUT
- SLVX : EXTERNAL DEVICE INTERFACE OUTPUT
- SLXM : EXTERNAL DEVICE INTERFACE OUTPUT
- SPSO : COMMUNICATION DATA OUTPUT
- TBIS : FOR TEST
- TNOM : FOR TEST
- TSTN : FOR TEST
- VEN : EXTERNAL DEVICE INTERFACE OUTPUT
- WE : EXTERNAL RAM WRITE ENABLE SIGNAL OUTPUT

INPUT/OUTPUT

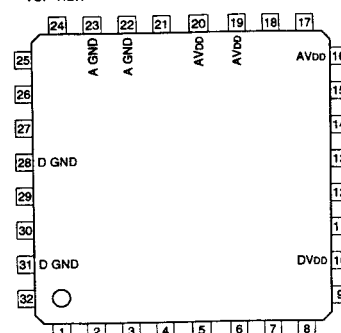
- D00 - D07 : EXTERNAL RAM DATA INPUT/OUTPUT
- TSCK : FOR TEST
- TSDA : FOR TEST
- TSG : FOR TEST

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	26	—	VDD	51	—	VDD	76	—	VDD
2	O	PBON	27	I	SCK	52	O	AO09	77	—	GND
3	O	DIIN	28	I	SPSI	53	O	AO08	78	O	AO10
4	I	TTCK	29	O	SPSO	54	O	AO13	79	O	CS
5	I	FLTT	30	I	DSP	55	O	WE	80	I/O	D07
6	I	FLTA	31	I	ATT	56	O	AO14	81	O	PRST
7	—	GND	32	I	ACS	57	—	GND	82	O	PCEZ
8	I	TRCK	33	O	FSE2	58	O	AO12	83	O	VEN
9	I/O	TSDA	34	O	FSE1	59	O	AO07	84	O	HEN
10	I/O	TSCK	35	O	EMAP	60	O	AO06	85	O	ERS
11	O	OTEN	36	O	BCKO	61	O	AO05	86	O	SLMX
12	I	STRT	37	I	LRCI	62	O	AO04	87	O	SLVX
13	—	GND	38	—	GND	63	—	GND	88	—	GND
14	I	SFDP	39	I	256CK	64	O	AO03	89	I	TSTM
15	O	SFDR	40	I	BCKI	65	O	AO02	90	I	TSAD
16	I	P-SAVE	41	O	LRCO	66	O	AO01	91	O	DV32
17	I	MUTE	42	O	LSBO	67	O	AO00	92	O	INT
18	I	RST	43	O	DATO	68	I/O	D00	93	I	JRDY
19	—	GND	44	I	DATI	69	I/O	D01	94	I	JDAT
20	—	BC	45	O	DSPO	70	—	GND	95	O	TNOM
21	—	TCK	46	O	ATC	71	I/O	D02	96	O	TSTN
22	—	TDI	47	O	ATLT	72	I/O	D03	97	O	TBIS
23	—	TENA1	48	O	AO11	73	I/O	D04	98	O	ERRF
24	—	TDO	49	O	OE	74	I/O	D05	99	I/O	TSG
25	I	VST	50	—	GND	75	I/O	D06	100	—	GND



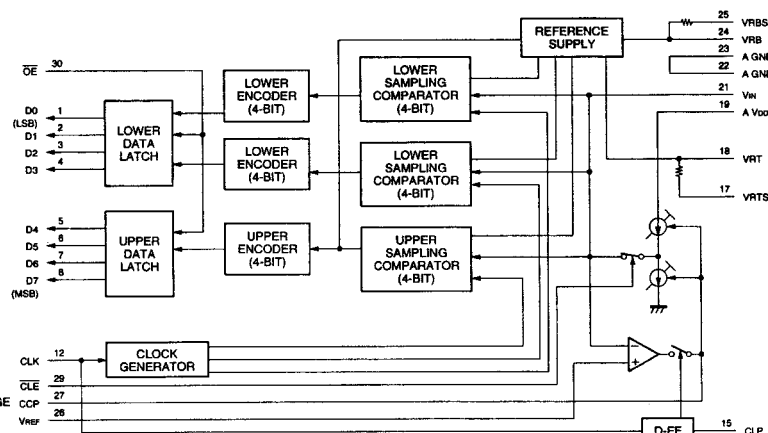
C-MOS 8-BIT 50MSPS VIDEO A/D CONVERTER
—TOP VIEW—

—TOP VIEW—



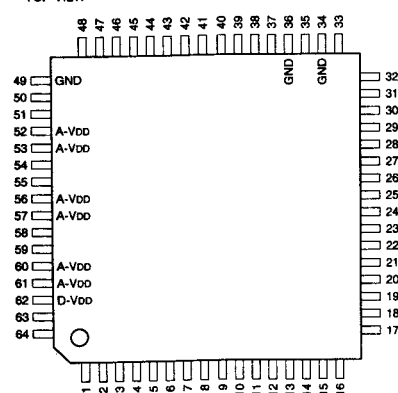
PIN NO.	VO	SIGNAL	PIN NO.	VO	SIGNAL
1	O	D0 (LSB)	17	I	VRTS
2	O	D1	18	I	VRT
3	O	D2	19	—	A VDD
4	O	D3	20	—	A VDD
5	O	D4	21	I	V IN
6	O	D5	22	—	A GND
7	O	D6	23	—	A GND
8	O	D7 (MSB)	24	I	VRB
9	—	TEST	25	I	VRBS
10	—	D VDD	26	I	VREF
11	—	TEST	27	I	CCP
12	I	CLK	28	—	D GND
13	—	NC	29	I	CL
14	—	NC	30	I	OE
15	I	CLP	31	—	D GND
16	—	A VDD	32	—	NC

INPUT		29
CCP	: CLAMP CONTROL VOLTAGE	CCP
	FOR INTEGRATOR	26
CLE	: CLAMP ENABLE	
CLK	: CLOCK	
CLP	: CLAMP PULSE	
OE	: OUTPUT ENABLE	
V IN	: ANALOG	
VRB	: REFERENCE VOLTAGE (BOTTOM)	
VRBS	: SELF REFERENCE VOLTAGE	
	SHORT TO AGND (+0.6 V/BOTTOM)	
VREF	: VOLTAGE REFERENCE FOR CLAMP	
VRT	: REFERENCE VOLTAGE (TOP)	
VRTS	: SELF REFERENCE VOLTAGE SHORT TO AVDD	
	(+2.5 V/TOP)	
OUTPUT		
D0 - D7	: DATA	

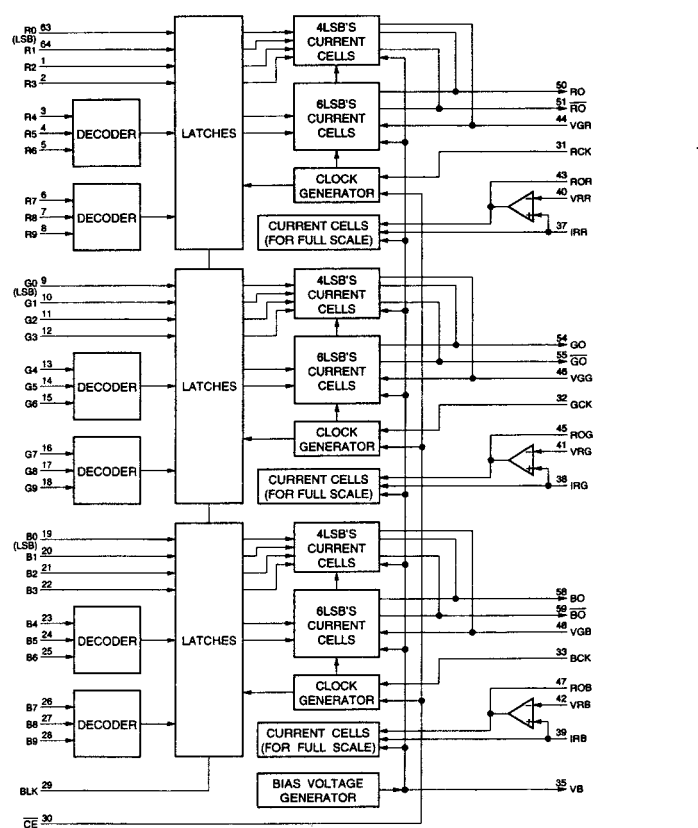


C-MOS 10-BIT 50 MSPS RGB 3CHANNEL D/A CONVERTER
—TOP VIEW—

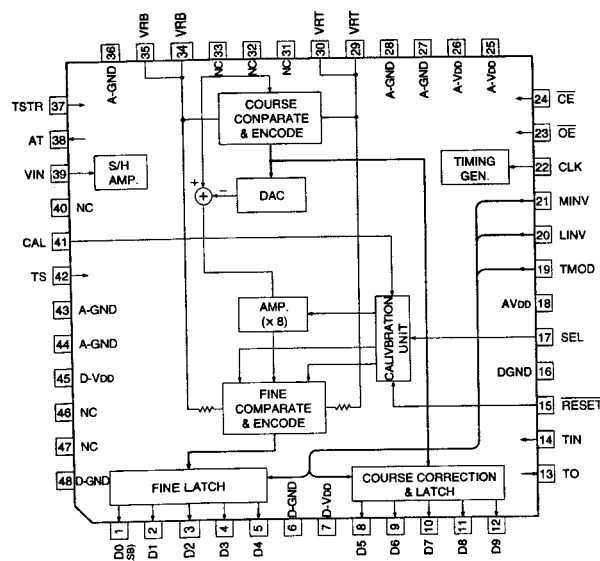
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	R2	17	I	G8	33	I	BCK	49	—	GND
2	I	R3	18	I	G9	34	—	GND	50	O	RO
3	I	R4	19	I	B0 (LSB)	35	O	VB	51	O	RO
4	I	R5	20	I	B1	36	—	GND	52	—	A-VDD
5	I	R6	21	I	B2	37	I	IRR	53	—	A-VDD
6	I	R7	22	I	B3	38	I	IRG	54	O	GO
7	I	R8	23	I	B4	39	I	IRB	55	O	GO
8	I	R9	24	I	B5	40	I	VRR	56	—	A-VDD
9	I	GO (LSB)	25	I	B6	41	I	VRC	57	—	A-VDD
10	I	G1	26	I	B7	42	I	VRB	58	O	BO
11	I	G2	27	I	B8	43	I	ROR	59	O	BO
12	I	G3	28	I	B9	44	I	VGR	60	—	A-VDD
13	I	G4	29	I	BLK	45	I	ROG	61	—	A-VDD
14	I	G5	30	I	CE	46	I	VGG	62	—	D-VDD
15	I	G6	31	I	RCK	47	I	ROB	63	I	RO (LSB)
16	I	G7	32	I	GCK	48	I	VGB	64	I	R1



CXD2310AR-T4 (SONY)

C-MOS 10-BIT 20 MSPS VIDEO A/D CONVERTER
—TOP VIEW—

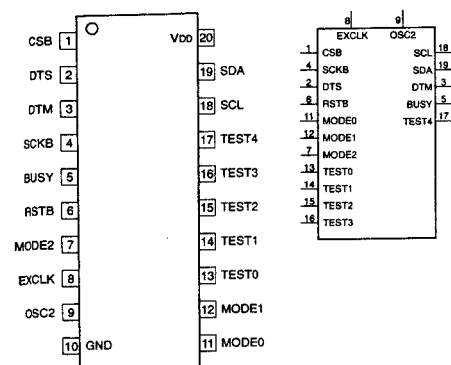
INPUT

CAL : CALIBRATION PULSE INPUT
 CE : CHIP ENABLE
 CLK : CLOCK
 LINV : OUTPUT (D0 - D8) INVERSION
 MINV : OUTPUT (D9) INVERSION
 OE : DIGITAL DATA OUTPUT ENABLE
 RESET : CALIBRATION CIRCUIT RESET
 SEL : OUTPUT DATA (D5 - D9) SELECT FOR CALIBRATION (4-CLOCK)
 HIGH ; THROUGH OUTPUT, OW ; DATA FIXED AS WITH D0 - D4
 TIN : TEST SIGNAL INPUT
 TMOD : TEST MODE
 TS : TEST SIGNAL INPUT
 TSTR : TEST SIGNAL INPUT
 VRB : REFERENCE BOTTOM VOLTAGE
 VRT : REFERENCE TOP VOLTAGE

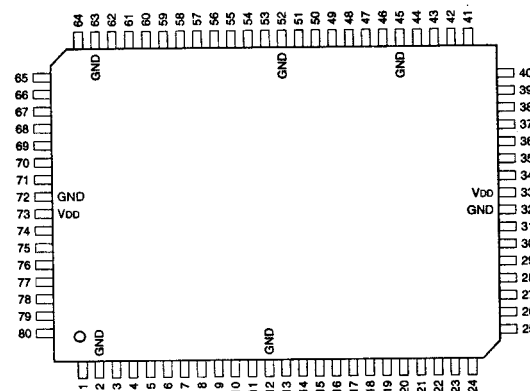
OUTPUT

AT : TEST SIGNAL OUTPUT
 D0 - D9 : DIGITAL DATA OUTPUT
 TO : TEST PIN

CXD8525N-E2 (SONY)

4-LINE SERIAL/IIC BUS CONVERTER
—TOP VIEW—

CXD2705AR-T6 (SONY)

C-MOS DIGITAL AUDIO SIGNAL PROCESSOR
—TOP VIEW—

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	EA0	21	O	TRDT	41	I	LRK0	61	I/O	ED8
2	—	GND	22	I	RVDT	42	I	LRK1	62	I/O	ED9
3	O	EA1	23	I	SCK	43	I	BCK0	63	—	GND
4	O	EA2	24	I	XLAT	44	I	BCK1	64	I/O	ED10
5	O	EA3	25	I	TA5	45	—	GND	65	I/O	ED11
6	O	EA4	26	I	TA4	46	O	D2BK	66	O	XOE
7	O	EA5	27	O	BFOT	47	O	D2LR	67	O	CAS
8	O	EA6	28	O	CLKO	48	O	D4BK	68	I/O	ED12
9	O	EA7	29	I	CLKI	49	O	D4LR	69	I/O	ED13
10	O	EA8	30	I	TA3	50	I/O	ED0	70	I	TD15
11	I	TA7	31	I	TA2	51	I	TST1	71	I	TD14
12	—	GND	32	—	GND	52	—	GND	72	—	GND
13	I	TA6	33	—	VDD	53	I	TST0	73	—	VDD
14	I	XRST	34	I	TA1	54	I/O	ED1	74	I	TD13
15	O	SP0	35	I	TA0	55	I/O	ED2	75	I	TD12
16	O	SP1	36	O	SOC	56	I/O	ED3	76	I/O	ED14
17	O	SP2	37	O	SOB	57	I/O	ED4	77	I/O	ED15
18	O	MOVF	38	O	SOA	58	I/O	ED5	78	O	XWE
19	O	AOVF	39	O	SIB	59	I/O	ED6	79	O	RAS
20	O	REDY	40	O	SIA	60	I/O	ED7	80	O	EA9

INPUT

BCK0, BCK1 : BIT CLOCK
 CLKI : CLOCK
 LRK0, LRK1 : LR CLOCK
 RVDT : DATA FOR HC I/F
 SCK : SIFT CLOCK FOR HC I/F
 SIA, SIB : SERIAL DATA
 TA0 - TA7 : TEST
 TD12 - TD15 : TEST
 TST0, TST1 : TEST (NORMAL "L")
 XLAT : MODE PARTITION SIGNAL
 XRST : RESET

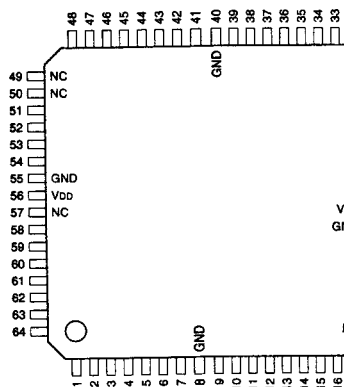
OUTPUT

AOVF : ALU OVERFLOW SIGNAL
 BFOT : CLOCK BUFFER
 CAS : COLUMN-ADDRESS STROBE FOR EXT. DATA RAM
 CLKO : CLOCK
 D2BK : 1/2 BIT CLOCK
 D2LR : 1/2 LR CLOCK
 D4BK : 1/4 BIT CLOCK
 D4LR : 1/4 LR CLOCK
 EA0 - EA9 : ADDRESS FOR EXT. DATA RAM
 MOVF : MAC OVERFLOW SIGNAL
 RAS : ROW-ADDRESS STROBE FOR EXT. DATA RAM
 REDY : READY SIGNAL FOR HC I/F
 SOA-SOC : SERIAL DATA
 SP0-SP2 : STATIC PORT 0, 1, 2
 TRDT : DATA FOR HC I/F
 XOE : OUTPUT ENABLE FOR EXT. DATA RAM
 XWE : WRITE ENABLE FOR EXT. DATA RAM

INPUT/OUTPUT

ED0 - ED15 : DATA INPUT/OUTPUT FOR EXT. DATA RAM

CXD2422R (SONY)

C-MOS TIMING GENERATOR FOR CCD CAMERA
—TOP VIEW—

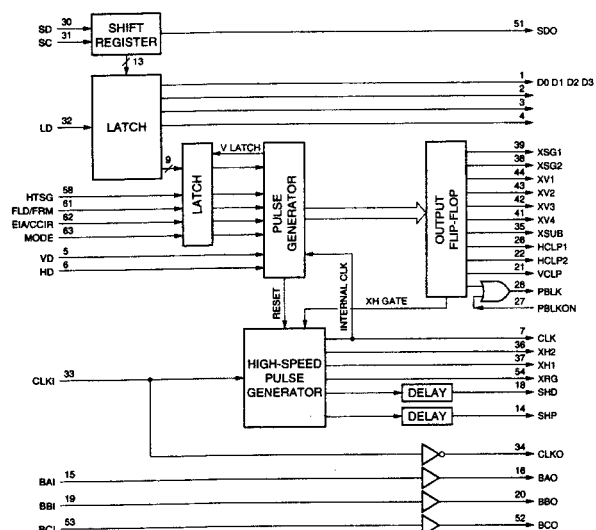
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	D0	17	—	NC	33	I	CLKI	49	—	NC
2	O	D1	18	O	SHD	34	O	CLKO	50	—	NC
3	O	D2	19	I	BBI	35	O	XSUB	51	O	SDO
4	O	D3	20	O	BBO	36	O	XH2	52	O	BCO
5	I	VD	21	O	VCLP	37	O	XH1	53	I	BCI
6	I	HD	22	O	HCLP2	38	O	XSG2	54	O	XRG
7	O	CLK	23	—	GND	39	O	XSG1	55	—	GND
8	—	GND	24	—	VDD	40	—	GND	56	—	VDD
9	I	TEST1	25	I	TEST6	41	O	XV4	57	—	NC
10	I	TEST2	26	O	HCLP1	42	O	XV3	58	I	HTSG
11	I	TEST3	27	I	PBLKON	43	O	XV2	59	I	RST
12	I	TEST4	28	O	PBLK	44	O	XV1	60	I	TEST12
13	I	TEST5	29	I	TEST7	45	O	TEST8	61	I	FLD/FRM
14	O	SHP	30	I	SD	46	O	TEST9	62	I	EIA/CCIR
15	I	BAI	31	I	SC	47	O	TEST10	63	I	MODE
16	O	BAO	32	I	LD	48	O	TEST11	64	I	TEST13

INPUT

BAI : BUFFER INPUT FOR SHP PHASE ADJUSTMENT
 BBI : BUFFER INPUT FOR SHD PHASE ADJUSTMENT
 BCI : BUFFER INPUT FOR XRG PHASE ADJUSTMENT
 CLKI : CLOCK
 EIA/CCIR : SYSTEM SELECT (H-EIA/L-CCIR)
 FLD/FRM : MODE SELECT (H-FIELD CHARGE/L-FRAME CHARGE)
 HD : HORIZONTAL DRIVE
 HTSG : ON/OFF CONTROL FOR READ PULSE
 LD : LATCH PULSE FOR ELECTRONIC SHUTTER CONTROL
 MODE : MODE SELECT (H-COMPONENT DIGITAL/L-COMPOSITE DIGITAL)
 PBLKON : ON/OFF CONTROL FOR PBLK
 RST : FOR TEST
 SC : CLOCK FOR ELECTRONIC SHUTTER CONTROL
 SD : SERIAL DATA FOR ELECTRONIC SHUTTER CONTROL
 TEST1 - TEST7 : FOR TEST
 TEST12, TEST13 : FOR TEST
 VD : VERTICAL DRIVE

OUTPUT

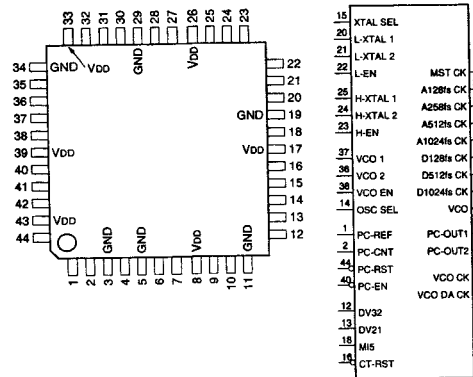
BAO : NOT-INVERTED OUTPUT OF BAI
 BBO : NOT-INVERTED OUTPUT OF BBI
 BCO : NOT-INVERTED OUTPUT OF BCI
 CLK : DIVIDED-BY-TWO CLOCK (PIN-33)
 CLKO : INVERTED OUTPUT OF CLKI
 D0 - D3 : EXPANSION I/O
 HCLP1 - HCLP2 : HORIZONTAL CLAMP PULSE
 PBLK : PRE-BLANKING PULSE
 SDO : SERIAL DATA FOR ELECTRONIC SHUTTER CONTROL
 SHD : SAMPLING PULSE FOR CCD'S SIGNAL LEVEL
 SHP : SAMPLING PULSE FOR CCD'S PRE-CHARGE LEVEL
 TEST8 - TEST11 : FOR TEST
 VCLP : VERTICAL CLAMP PULSE
 XH1, XH2 : HORIZONTAL REGISTER DRIVE CLOCK
 XRG : OUTPUT SECTION RESET GATE PULSE
 XSG1, XSG2 : SENSOR'S ELECTRON CHARGE READ PULSE
 XSUB : SUBSTRATE PULSE FOR ELECTRONIC SHUTTER
 XV1 - XV4 : VERTICAL REGISTER DRIVE CLOCK



CXD2913AQ (SONY)

C-MOS AUDIO PLL OSCILLATOR

—TOP VIEW—

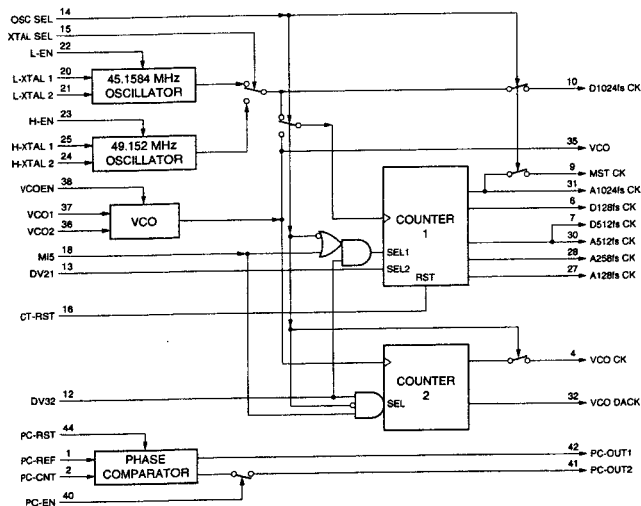


INPUT

- CT-RST : COUNTER RESET INPUT
 DV21 : SPEED MODE SELECT INPUT (H = x2 SPEED, L = x1 SPEED)
 DV32 : FS SELECT INPUT (H = 32 kHz, L = 44.1 kHz/48 kHz)
 H-EN : HIGHER CRYSTAL OSCILLATOR ENABLE INPUT (H = ENABLE)
 H-XTAL 1 : 49.152 MHz CRYSTAL OSCILLATOR INPUT
 L-EN : LOWER CRYSTAL OSCILLATOR ENABLE INPUT (H = ENABLE)
 L-XTAL 1 : 45.1584 MHz CRYSTAL OSCILLATOR INPUT
 M15 : COUNTER DIVIDING RATIO SELECT INPUT (H = 1/1.5, L = 1/1)
 OSC SEL : MASTER CLOCK SELECT INPUT (H = VCO, L = CRYSTAL)
 PC-CNT : PHASE COMPARATOR CONTROL INPUT
 PC-EN : PC-OUT2 ENABLE INPUT
 PC-REF : PHASE COMPARATOR REFERENCE INPUT
 PC-RST : PHASE COMPARATOR RESET INPUT
 VCO 1 : VCO INPUT
 VCO EN : VCO ENABLE INPUT (H = ENABLE)
 XTAL SEL : MASTER CLOCK SELECT INPUT (H = 48 MHz, L = 45 MHz)

OUTPUT

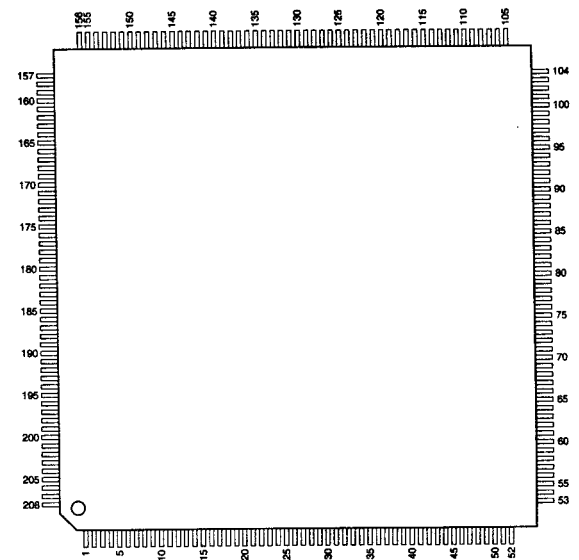
- A128fs CK : ANALOG SYSTEM A/D CONVERTER 128fs CLOCK
 A258fs CK : ANALOG SYSTEM A/D AND D/A CONVERTERS 258fs CLOCK
 A512fs CK : ANALOG SYSTEM D/A CONVERTER 512fs CLOCK
 A1024fs CK : ANALOG SYSTEM D/A CONVERTER 1024fs CLOCK
 D128fs CK : DIGITAL SYSTEM 128fs CLOCK
 D512fs CK : DIGITAL SYSTEM 512fs CLOCK
 D1024fs CK : DIGITAL SYSTEM 1024fs CRYSTAL OSCILLATOR CLOCK
 H-XTAL 2 : 49.152 MHz CRYSTAL OSCILLATOR OUTPUT
 L-XTAL 2 : 45.1584 MHz CRYSTAL OSCILLATOR OUTPUT
 MST CK : MASTER CLOCK (1024fs) OUTPUT
 PC-OUT1 : PHASE COMPARATOR OUTPUT
 PC-OUT2 : PHASE COMPARATOR OUTPUT (WITH ENABLE CONTROL)
 VCO : VCO OUTPUT
 VCO 2 : VCO OUTPUT
 VCO CK : VCO CLOCK (512fs) OUTPUT
 VCO DA CK : VCO 512fs D/A CLOCK



CXD605-106Q (SONY)

PRE-PROCESSOR FOR CCD CAMERA

—TOP VIEW—



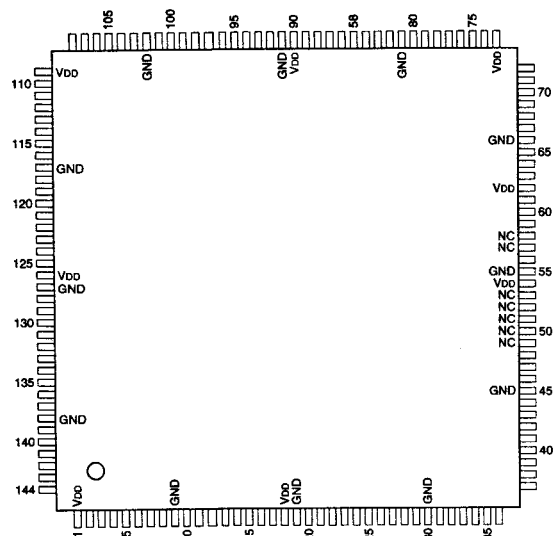
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	53	I	CK1	105	I	B12	157	O	BWS3
2	O	GBS6	54	O	DTAR	106	I	B13	158	O	BWS2
3	O	GBS5	55	I	SKTN	107	I	B14	159	O	BWS1
4	O	GBS4	56	O	VTRG	108	I	B15	160	O	BWS0
5	O	GBS3	57	O	HTRG	109	I	B16	161	O	RWS2
6	O	GBS2	58	O	B00	110	I	B17	162	O	RWS1
7	O	GBS1	59	O	B01	111	I	B18	163	O	RWS0
8	O	GBS0	60	—	GND	112	I	B19	164	—	GND
9	—	GND	61	—	VCC	113	—	GND	165	—	VCC
10	—	VCC	62	O	B02	114	—	VCC	166	O	RWS6
11	O	AD0	63	O	B03	115	I	B110	167	O	RWS5
12	O	AD1	64	O	B04	116	I	B111	168	O	RWS4
13	O	AD2	65	O	B05	117	I	R10	169	O	RWS3
14	O	AD3	66	O	B06	118	I	R11	170	O	RWS2
15	O	AD4	67	O	B07	119	I	R12	171	O	RWS1
16	O	AD5	68	O	B08	120	I	R13	172	O	RWS0
17	O	AD6	69	—	GND	121	I	R14	173	O	GBS9
18	O	AD7	70	O	B09	122	I	R15	174	O	GBS8
19	O	AD8	71	O	B010	123	I	R16	175	O	GBS7
20	O	AD9	72	O	B011	124	I	R17	176	O	GBS6
21	O	AD10	73	O	R00	125	I	R18	177	O	GBS5
22	O	AD11	74	O	R01	126	I	R19	178	O	GBS4
23	O	AD12	75	O	R02	127	I	R110	179	O	GBS3
24	O	AD13	76	O	R03	128	I	R111	180	O	GBS2
25	I/O	DAT7	77	O	R04	129	I	G10	181	O	GBS1
26	—	GND	78	—	GND	130	—	GND	182	—	GND
27	I/O	DAT6	79	O	R05	131	I	G11	183	O	GBS0
28	I/O	DAT5	80	O	R06	132	I	G12	184	O	BBS9
29	I/O	DAT4	81	O	R07	133	I	G13	185	O	BBS8
30	I/O	DAT3	82	O	R08	134	I	G14	186	O	BBS7
31	I/O	DAT2	83	O	R09	135	I	G15	187	O	BBS6
32	I/O	DAT1	84	O	R010	136	I	G16	188	O	BBS5
33	I/O	DAT0	85	O	R011	137	I	G17	189	O	BBS4
34	O	RM0E	86	O	G00	138	I	G18	190	O	BBS3
35	O	RM0E	87	—	GND	139	I	G19	191	O	BBS2
36	I/O	SDA3	88	O	G01	140	I	G110	192	O	BBS1
37	I/O	SDA2	89	O	G02	141	I	G111	193	O	RBS0
38	I/O	SDA1	90	O	G03	142	O	HTSG	194	O	RBS9
39	I/O	SDA0	91	O	G04	143	O	FINE	195	O	RBS8
40	I	SCK	92	O	G05	144	O	FBNC	196	O	RBS7
41	I	CS	93	O	G06	145	O	BFBC	197	O	RBS6
42	—	GND	94	O	G07	146	—	GND	198	O	RBS5
43	—	VCC	95	O	G08	147	—	VCC	199	O	RBS4
44	I	OE	96	—	GND	148	O	RFBC	200	—	GND
45	I	SRST	97	—	VCC	149	O	GFBC	201	—	VCC
46	*1	BCI	98	O	G09	150	O	BWS9	202	O	RBS3
47	*1	TCK	99	O	G010	151	O	BWS8	203	O	RBS2
48	*1	TDI	100	O	G011	152	O	BWS7	204	O	RBS1
49	*1	TENAI	101	I	VDI	153	O	BWS6	205	O	RBS0
50	I	TEST	102	I	HDI	154	O	BWS5	206	O	GBS9
51	*1	TDO	103	I	B10	155	O	BWS4	207	O	GBS8
52	*1	VST	104	I	B11	156	—	GND	208	O	GBS7

*1 : FOR CHECK

CXD3101R (SONY)

SIGNAL PROCESSOR

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	37	I	BTRST	73	—	VDD	109	—	VDD
2	O	REC	38	I	BTCK	74	I/O	BUP	110	I/O	B1D10
3	O	CINV	39	I	BTMS	75	I/O	B2D10	111	I/O	B1D11
4	I/O	JSYC	40	I	BTDI	76	I/O	B2D11	112	I/O	B1D12
5	I/O	JCO	41	O	BTDO	77	I/O	B2D12	113	I/O	B1D13
6	I/O	JC1	42	I	XCS	78	I/O	B2D13	114	I/O	B1D14
7	I/O	JC2	43	I	XSCK	79	I/O	B2D14	115	I/O	B1D15
8	I/O	JC3	44	I	SPSO	80	I/O	B2D15	116	I/O	B1D16
9	—	GND	45	—	GND	81	—	GND	117	—	GND
10	I/O	JC4	46	O	SPSI	82	I/O	B2D16	118	I/O	B1D17
11	I/O	JC5	47	I	XRST	83	I/O	B2D17	119	O	WCK1
12	I/O	JC6	48	I	XPS	84	O	WCK2	120	O	B1WS
13	I/O	JC7	49	—	NC	85	O	B2WS	121	O	B1WA0
14	I/O	JSYY	50	—	NC	86	O	B2WA0	122	O	B1WA1
15	I/O	JY0	51	—	NC	87	O	B2WA1	123	O	B1WA2
16	I/O	JY1	52	—	NC	88	O	B2WA2	124	O	B1WA3
17	I/O	JY2	53	—	NC	89	O	B2WA3	125	O	B1WFS
18	—	VDD	54	—	VDD	90	—	VDD	126	—	VDD
19	—	GND	55	—	GND	91	—	GND	127	—	GND
20	I	SPCK	56	I	TRCK	92	O	B2WFS	128	O	B1RFS
21	I/O	JY3	57	—	NC	93	O	B2RFS	129	O	B1RA3
22	I/O	JY4	58	—	NC	94	O	B2RA3	130	O	B1RA2
23	I/O	JY5	59	I	TSI2	95	O	B2RA2	131	O	B1RA1
24	I/O	JY6	60	I	TSI1	96	O	B2RA1	132	O	B1RA0
25	I/O	JY7	61	I	TSI0	97	O	B2RA0	133	O	B1RS
26	I	FLBKC	62	—	VDD	98	O	B2RS	134	O	RCK1
27	I	FLBKY	63	I	FLTV	99	O	RCK2	135	I/O	B1D07
28	I	JOE	64	I/O	BKD7	100	I/O	B2D07	136	I/O	B1D06
29	I	JFOE	65	I/O	BKD6	101	I/O	B2D06	137	I/O	B1D05
30	—	GND	66	—	GND	102	—	GND	138	—	GND
31	I	BC1	67	I/O	BKD5	103	O	B2D05	139	I/O	B1D04
32	I	TCK	68	I/O	BKD4	104	O	B2D04	140	I/O	B1D03
33	I	TD1	69	I/O	BKD3	105	O	B2D03	141	I/O	B1D02
34	I	TENA1	70	I/O	BKD2	106	O	B2D02	142	I/O	B1D01
35	O	TD0	71	I/O	BKD1	107	O	B2D01	143	I/O	B1D00
36	I	VST	72	I/O	BKD0	108	O	B2D00	144	I	SD

INPUT

BC1	: CROSS CHECK BIT
BTCK	: JTAG CK
BTDI	: JTAG DI
BTMS	: JTAG MS
BTRST	: JTAG RST
FLBKC	: CHROMA PLAYBACK REFERENCE SIGNAL
FLBKY	: Y PLAYBACK REFERENCE SIGNAL
FLTV	: FIELD REFERENCE SIGNAL
JFOE	: FORCED ODD/EVEN
JOE	: ORIGINAL ODD/EVEN
SD	: HIGH : SD LOW : HD
SPCK	: 13.5 MHz CLOCK
SPSO	: SERIAL DATA
TCK	: CROSS CHECK CLOCK
TD1	: CROSS CHECK DATA
TENA1	: CROSS CHECK TEST
TRCK	: 18.1 MHz CLOCK
TSI0 - TSI2	: TEST
VST	: CROSS CHECK GROUND
XCS	: CHIP SELECT
XPS	: POWER SAVE
XRST	: RESET
XSCK	: SERIAL CLOCK

OUTPUT

BTDO	: JTAG DO
B1RA0 - B1RA3/B2RA0 - B2RA3	: BRAM1/BRAM2 READ ADDRESS
B1RFS/B2RFS	: BRAM1/BRAM2 READ FIELD SELECT
B1RS/B2RS	: BRAM1/BRAM2 READ STROBE
B1WA0 - B1WA3/B2WA0 - B2WA3	: BRAM1/BRAM2 WRITE ADDRESS
B1WFS/B2WFS	: BRAM1/BRAM2 WRITE FIELD SELECT
B1WS/B2WS	: BRAM1/BRAM2 WRITE STROBE
CINV	: CHROMA LINE SEQUENTIAL
RCK1/RCK2	: BRAM1/BRAM2 READ CLOCK
REC	: HIGH : REC, LOW : PB
SPSI	: SERIAL DATA
TD0	: CROSS CHECK DATA
WCK1/WCK2	: BRAM1/BRAM2 WRITE CLOCK

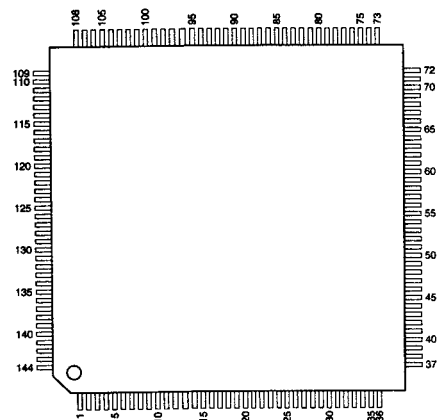
INPUT/OUTPUT

B1D00 - B1D07/B2D00 - B2D07	: BRAM1/BRAM2 PORT0 DATA
B1D10 - B1D17/B2D10 - B2D17	: BRAM1/BRAM2 PORT1 DATA
BKD0 - BKD7	: BK DATA
BUP	: BUP
JC0 - JC7	: CHROMA DATA
JY0 - JY7	: Y DATA
JSYC	: CHROMA SYNC
JSYY	: Y SYNC

CXD606-101R (SONY)

RATE CONVERTER FOR 3-CCD CAMERA

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	Vcc	37	—	Vcc	73	—	Vcc	109	—	Vcc
2	—	GND	38	—	GND	74	—	GND	110	—	GND
3	O	VCR5	39	I	PB	75	I/O	CCB7	111	O	DHD
4	O	VCR6	40	I	PS	76	I/O	CCB6	112	O	DVD
5	O	VCR7	41	I	TSTDIN4	77	I/O	CCB5	113	O	DSYNC
6	O	VCR8	42	I	TSTDIN3	78	I/O	CCB4	114	O	DCF
7	O	VCR9	43	I	TSTDIN2	79	I/O	CCB3	115	O	DBLKG
8	—	GND	44	I	TSTDIN1	80	I/O	CCB2	116	I/O	VYC0
9	—	GND	45	—	GND	81	—	GND	117	—	GND
10	I	VCRBCNT	46	I	CK10	82	I/O	CCB1	118	I/O	VYC1
11	I	TSTDIN11	47	—	GND	83	I/O	CCB0	119	I/O	VYC2
12	I	TSTDIN10	48	I	TSTDIN0	84	I/O	CCR10	120	I/O	VYC3
13	I	TSTDIN9	49	I	TSTRST	85	I/O	CCR9	121	I/O	VYC4
14	I	TSTDIN8	50	I	TSTSEL	86	I/O	CCR8	122	I/O	VYC5
15	I	TSTDIN7	51	—	GND	87	I/O	CCR7	123	I/O	VYC6
16	I	TSTDIN6	52	I	CK3D	88	I/O	CCR6	124	I/O	VYC7
17	I	TSTDIN5	53	—	GND	89	I/O	CCR5	125	I/O	VYC8
18	—	Vcc	54	—	Vcc	90	—	Vcc	126	—	Vcc
19	—	GND	55	—	GND	91	—	GND	127	—	GND
20	—	GND	56	O	CK2COMP	92	I/O	CCR4	128	I/O	VYC9
21	I/O	SDA3	57	I	CK2D	93	I/O	CCR3	129	I/O	VCRB0
22	I/O	SDA2	58	O	CK2COMM	94	I/O	CCR2	130	I/O	VCRB1
23	I/O	SDA1	59	—	GND	95	I/O	CCR1	131	I/O	VCRB2
24	I/O	SDA0	60	O	VCK	96	I/O	CCR0	132	I/O	VCRB3
25	I	SCK	61	—	GND	97	I/O	CY10	133	I/O	VCRB4
26	I	CS	62	—	GND	98	I/O	CY9	134	I/O	VCRB5
27	I	IOEN	63	I	CF	99	I/O	CY8	135	I/O	VCRB6
28	I	SRST	64	I	VD	100	I/O	CY7	136	I/O	VCRB7
29	I	TEST	65	I	HD	101	I/O	CY6	137	I/O	VCRB8
30	—	GND	66	—	GND	102	—	GND	138	—	GND
31	I	BC1	67	I	TRST1	103	I/O	CY5	139	I/O	VCRB9
32	I	TCK	68	I	TRST2	104	I/O	CY4	140	O	VCR0
33	I	TDI	69	—	GND	105	I/O	CY3	141	O	VCR1
34	I	TENA1	70	I/O	CCB10	106	I/O	CY2	142	O	VCR2
35	O	TDO	71	I/O	CCB9	107	I/O	CY1	143	O	VCR3
36	I	VST	72	I/O	CCB8	108	I/O	CY0	144	O	VCR4

INPUTS

CF	: COLOR FLAMING PULSE
CK1D	: CAMERA CLOCK
CK2D	: 27 MHz OR 28 MHz OR 36 MHz
CK3D	: VCR 27 MHz
CS	: CHIP SELECT
HD	: HD
IOEN	: IN/OUT ENABLE
PB	: REC/PLAY BACK CONTROL
PS	: POWER SAVE ON/OFF
SCK	: SERIAL CLOCK
VCRBCNT	: VCR B CONTROL/OUTPUT
VD	: VD

OUTPUTS

CK2COMM	: CK2 PLL COMM
CK2COMP	: CK2 PLL COMP
DBLKG	: DIGITAL BLANKING
DCF	: DIGITAL COLOR FLAMING PULSE
DHD	: DIGITAL HD
DSYNC	: DIGITAL SYNC
DVD	: DIGITAL VD
VCK	: 27 MHz CLOCK
VCR0 - VCR9	: VCR R-Y

INPUTS/OUTPUTS

CCB0 - CCB10	: CAMERA B-Y 0 - 10
CCR0 - CCR10	: CAMERA R-Y 0 - 10
CY0 - CY10	: CAMERA Y 0 - 10
SDA0 - SDA3	: SERIAL DATA 0 - 3
VCRB0 - VCRB9	: VCR R-Y, B-Y 0 - 9
VYC0 - VYC9	: VCR Y 0 - 9

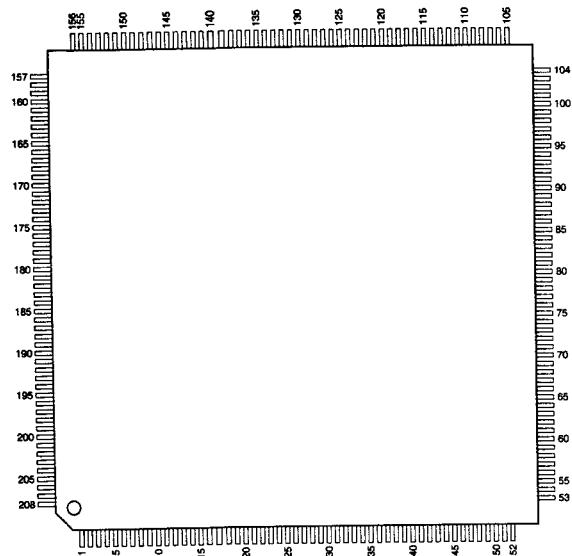
OTHERS

BC1	: CROSS CHECK
SRST	: LSI TEST
TCK	: CROSS CHECK
TDI	: CROSS CHECK
TDO	: CROSS CHECK
TENA1	: CROSS CHECK
TEST	: LSI TEST
TRST1, TRST2	: LSI TEST
TSTDIN0 - TSTDIN11	: LSI TEST
TSTRST	: LSI TEST
TSTSEL	: LSI TEST
VST	: CROSS CHECK

CXD607-102Q (SONY)

PROCESSOR FOR CCD CAMERA

—TOP VIEW—



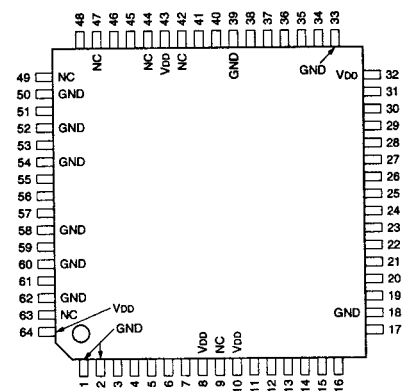
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	G1H1	53	I/O	SDA3	105	—	GND	157	I	GOH9
2	I	G1H0	54	I/O	SDA2	106	O	CR8	158	I	GOH8
3	I	R1H11	55	I/O	SDA1	107	O	CR9	159	I	GOH7
4	I	R1H10	56	I/O	SDA0	108	O	CR10	160	I	GOH6
5	I	R1H9	57	I	SCK	109	O	CB0	161	I	GOH5
6	I	R1H8	58	I	CS	110	O	CB1	162	I	GOH4
7	I	R1H7	59	O	ECK	111	O	CB2	163	I	GOH3
8	I	R1H6	60	—	GND	112	O	CB3	164	—	GND
9	—	GND	61	—	Vcc	113	—	GND	165	—	Vcc
10	—	Vcc	62	O	HREF	114	—	Vcc	166	I	GOH2
11	I	R1H5	63	I	CK1D	115	O	CB4	167	I	GOH1
12	I	R1H4	64	I	CK1C	116	O	CB5	168	I	GOH0
13	I	R1H3	65	O	CK3COMP	117	O	CB6	169	I	ROH11
14	I	R1H2	66	I	CK3D	118	O	CB7	170	I	ROH10
15	I	R1H1	67	O	CK3DOMN	119	O	CB8	171	I	ROH9
16	I	R1H0	68	—	GND	120	O	CB9	172	I	ROH8
17	I	G2H11	69	O	FSCCOMP	121	O	CB10	173	I	ROH7
18	I	G2H10	70	I	FSC	122	—	GND	174	I	ROH6
19	I	G2H9	71	O	FSCOMN	123	O	VF0	175	I	ROH5
20	I	G2H8	72	I	FLD1	124	O	VF1	176	I	ROH4
21	I	G2H7	73	I	VD	125	O	VF2	177	I	ROH3
22	I	G2H6	74	I	HD	126	O	VF3	178	I	ROH2
23	I	G2H5	75	O	SBK	127	O	VF4	179	I	ROH1
24	I	G2H4	76	O	PBLK	128	O	VF5	180	I	ROH0
25	I	G2H3	77	O	CLP1	129	O	VF6	181	I	B1H11
26	—	GND	78	—	GND	130	—	GND	182	—	GND
27	I	G2H2	79	I	TTL	131	O	VF7	183	I	B1H10
28	I	G2H1	80	I	TTLB	132	O	VF8	184	I	B1H9
29	I	G2H0	81	I/O	CHAR	133	O	VF9	185	I	B1H8
30	I	R2H11	82	I/O	CHARB	134	O	FLEN0	186	I	B1H7
31	I	R2H10	83	O	Y0	135	O	FLEN1	187	I	B1H6
32	I	R2H9	84	O	Y1	136	O	FLEN2	188	I	B1H5
33	I	R2H8	85	O	Y2	137	O	FLEN3	189	I	B1H4
34	I	R2H7	86	O	Y3	138	O	FLEN4	190	I	B1H3
35	I	R2H6	87	—	GND	139	O	FLEN5	191	I	B1H2
36	I	R2H5	88	O	Y4	140	O	FLEN6	192	I	B1H1
37	I	R2H4	89	O	Y5	141	O	FLEN7	193	I	B1H0
38	I	R2H3	90	O	Y6	142	O	FLEN8	194	O	SKTN
39	I	R2H2	91	O	Y7	143	O	FLEN9	195	O	DTAR
40	I	R2H1	92	O	Y8	144	O	FLEN10	196	O	HDLC
41	I	R2H0	93	O	Y9	145	O	CNWD	197	I	G1H11
42	—	GND	94	O	Y10	146	—	GND	198	I	G1H10
43	—	Vcc	95	O	CR0	147	—	Vcc	199	I	G1H9
44	I	OE	96	—	GND	148	O	CNWDCK	200	—	GND
45	I	SRST	97	—	Vcc	149	O	CNWDCK	201	—	Vcc
46	*I	BCK	98	O	CR1	150	O	VFWO	202	I	G1H8
47	*I	CK	99	O	CR2	151	O	VFWCK	203	I	G1H7
48	*I	TDI	100	O	CR3	152	O	VFRCK	204	I	G1H6
49	*I	TENA1	101	O	CR4	153	O	ARD	205	I	G1H5
50	I	TEST	102	O	CR5	154	O	AVD	206	I	G1H4
51	*I	TDO	103	O	CR6	155	I	GOH11	207	I	G1H3
52	*I	VST	104	O	CR7	156	I	GOH10	208	I	G1H2

*I : FOR CHECK

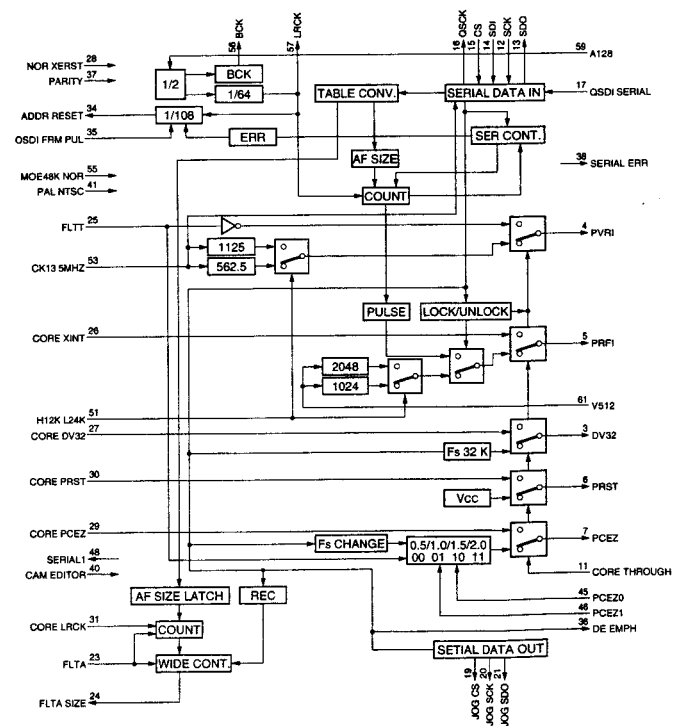
CXD8630R (SONY)

C-MOS VIDEO LOCK (DIGITAL AUDIO)

—TOP VIEW—



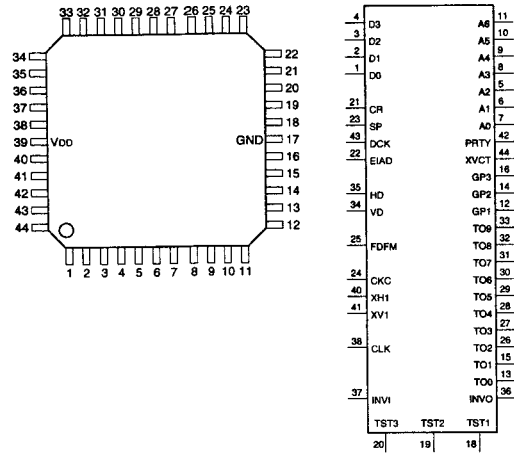
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	17	I	QSDI SERIAL	33	—	GND	49	—	NC
2	—	GND	18	—	GND	34	O	ADDR RESET	50	—	GND
3	O	DV32	19	O	JOG CS	35	I	QSDI FRM PUL	51	I	H12K L24K
4	O	PVRI	20	O	JOG SCK	36	O	DE EMPH	52	—	GND
5	O	PRFI	21	O	JOG SDO	37	I	PARITY	53	I	CK13 5MHZ
6	O	PRST	22	I	CORE BCK	38	O	SERIAL ERR	54	—	GND
7	O	PCEZ	23	I	FLTA	39	—	GND	55	I	MODE48K NOR
8	—	VDD	24	O	FLTA SIZE	40	I	CAM EDITOR	56	O	BCK
9	—	NC	25	I	FLTT	41	I	PAL NTSC	57	O	LACK
10	—	VDD	26	I	CORE XINT	42	—	NC	58	—	GND
11	I	CORE THROUGH	27	I	CORE DV32	43	—	VDD	59	I	A128
12	I	SCK	28	I	CORE PCEZ	44	—	NC	60	—	GND
13	O	SDO	29	I	CORE PRST	45	I	PCEZ1	61	I	V512
14	I	SDI	30	I	CORE PRST	46	I	PCEZ1	62	—	GND
15	I	CS	31	I	CORE LACK	47	—	NC	63	—	NC
16	O	QSK	32	—	VDD	48	O	SERIAL1	64	—	VDD



CXD8095Q (SONY)

C-MOS GATE ARRAY

—TOP VIEW—



INPUT

CKC : XH1 ACTIVE EDGE DECISION
 CLK : SYSTEM CLOCK
 CR : COMPENSATION DATA SELECT
 (H : μ -COM MODE, L : NORMAL MODE)
 D0-D3 : 4-BIT PARALLEL DATA
 DCK : DATA INPUTS STROBE PULSE
 EIAD : H : EXT ADDRESS, L : INT ADDRESS
 FDFM : FRAME READ/FIELD READ
 SWITCH (H : FIELD READ)
 HD : HORIZONTAL DRIVE
 INV1 : INVERTER
 SP : INPUT DATA SERIAL/PARALLEL
 SWITCH (H : SERIAL)
 TST1 - TST3 : TEST MODE SELECT
 VD : VERTICAL DRIVE
 XH1 : CLOCK FOR COMPENSATION DATA
 XV1 : LINE COUNTER INPUT TERMINAL

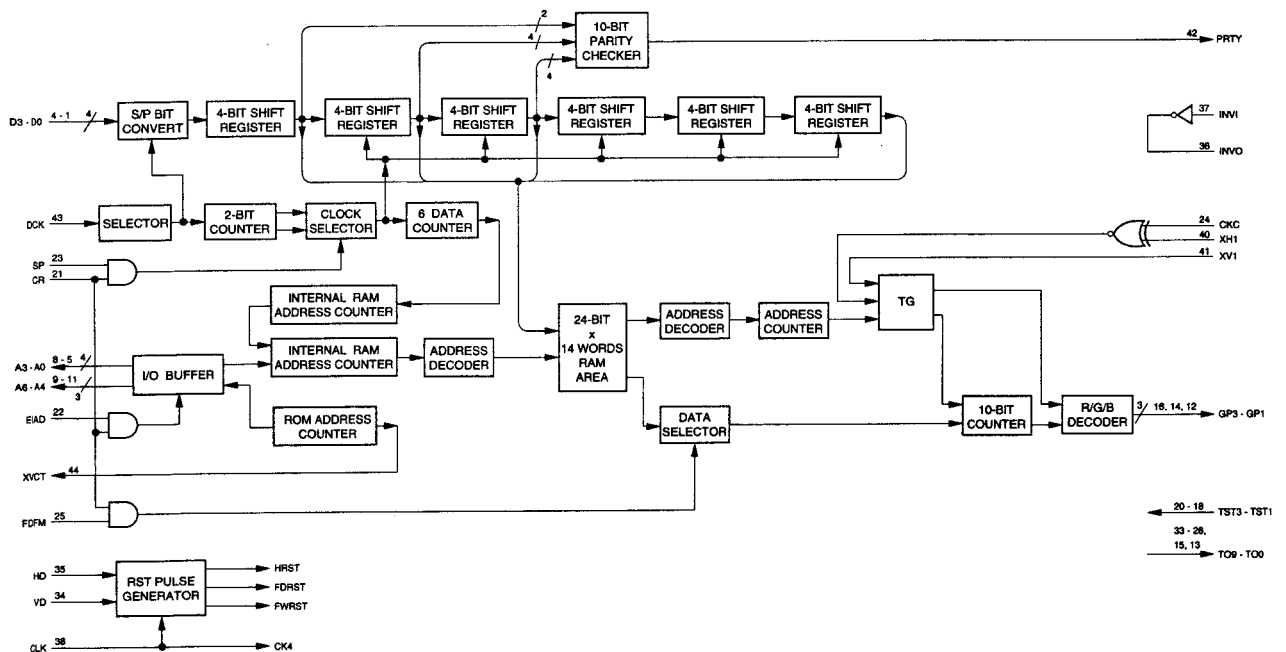
OUTPUT

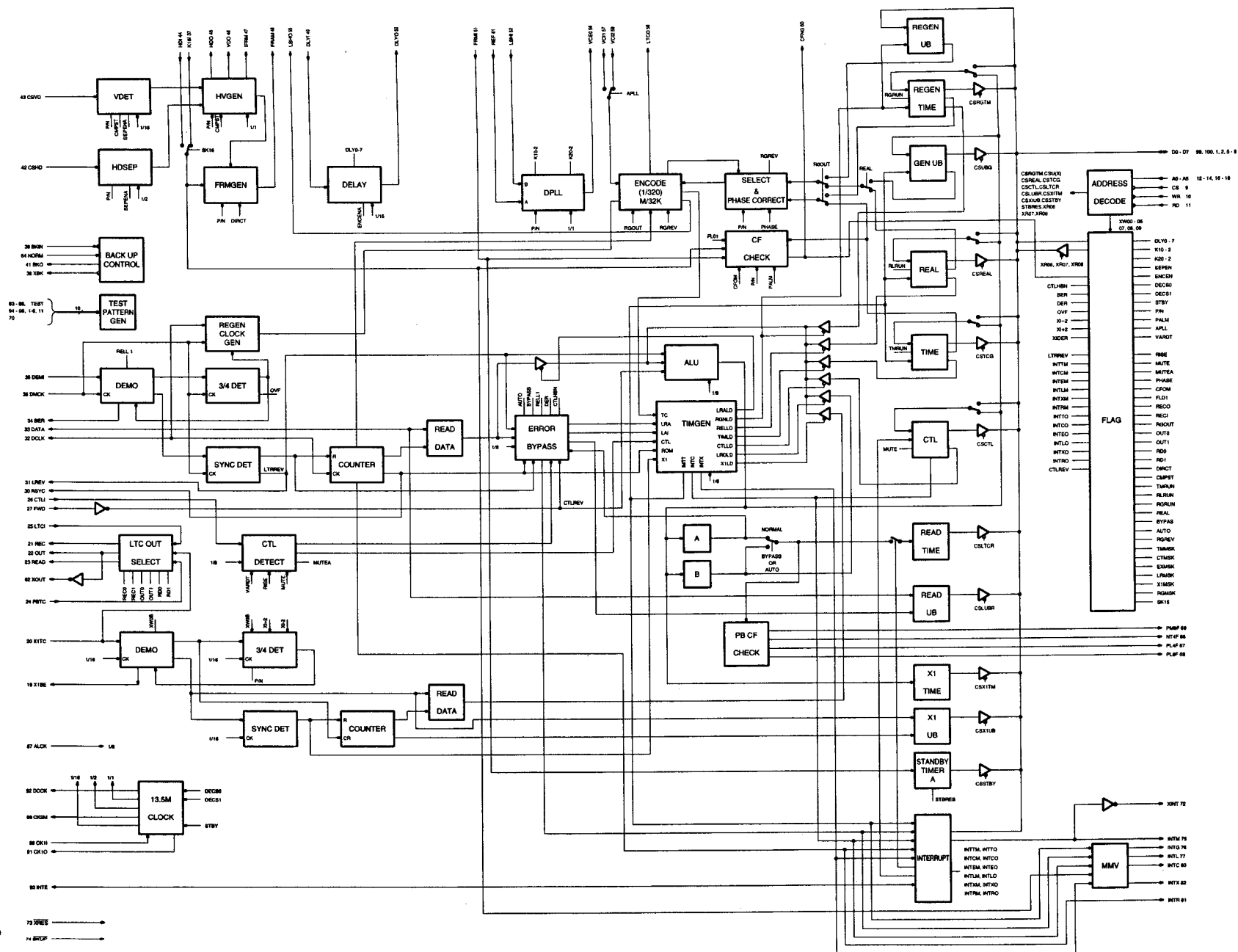
A4 - A6 : DATA ADDRESS
 GP1 - GP3 : GATE PULSE FOR COMPENSATION DATA
 (R, G, B-CH)
 INVO : INVERTER
 PRITY : 12-BIT DATA PARITY CHECK (H : EVEN)
 TO0 - TO9 : TEST TERMINAL FOR INTERNAL DATA OUTPUTS
 XVCT : ROM POWER VOLTAGE CONTROL TERMINAL

PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL
1	I	D0	12	O	GP1	23	I	SP	34	I	VD
2	I	D1	13	O	TO0	24	I	CKC	35	I	HD
3	I	D2	14	O	GP2	25	I	FDFM	36	O	INVO
4	I	D3	15	O	TO1	26	O	TO2	37	I	INV1
5	I/O	A2	16	O	GP3	27	O	TO3	38	I	CLK
6	I/O	A1	17	—	GND	28	O	TO4	39	—	VDD
7	I/O	A0	18	I	TST1	29	O	TO5	40	I	XH1
8	I/O	A3	19	I	TST2	30	O	TO6	41	I	XV1
9	O	A4	20	I	TST3	31	O	TO7	42	O	PRITY
10	O	A5	21	I	CR	32	O	TO8	43	I	DCK
11	O	A6	22	I	EIAD	33	O	TO9	44	O	XVCT

INPUT/OUTPUT

A0 - A3 : DATA ADDRESS OUTPUTS
 (DATA ADDRESS INPUTS : μ -COM MODE)

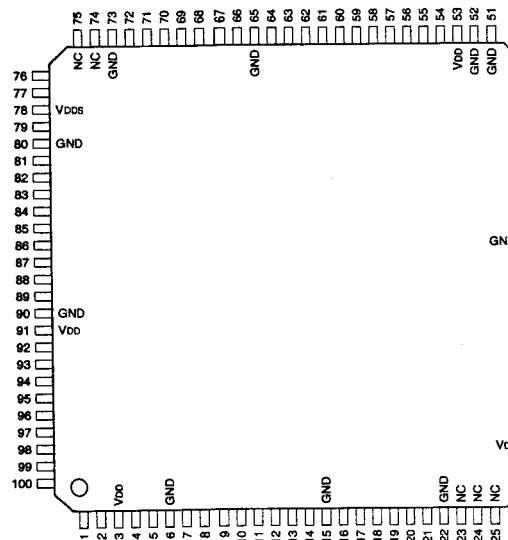




CXD8608R (SONY)

C-MOS DIGITAL ENCODE/DECODE

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	TMODE	26	O	RDY	51	—	GND	76	I	TRCK
2	I	SD	27	I	DORZ	52	—	GND	77	I	CIBUP
3	—	VDD	28	—	VDD	53	—	VDD	78	—	VDD
4	I	RTST	29	I	TDON	54	I/O	DDT0	79	I	TTCK
5	O	FEERR	30	I	DRET	55	I/O	DDT1	80	—	GND
6	—	GND	31	I	EACT0	56	I/O	DDT2	81	I/O	VD7
7	I	PH1	32	I	EACT1	57	I/O	DDT3	82	I/O	VD8
8	I	HRED	33	I	EASEL	58	I/O	DDT4	83	I/O	VD5
9	I	SRED	34	I	EQNM0	59	I/O	DDT5	84	I/O	VD4
10	I	RMTH2	35	I	EQNM1	60	I/O	DDT6	85	I/O	VD3
11	I	RMTH1	36	I	EQNM2	61	I/O	DDT7	86	I/O	VD2
12	I	RMTH0	37	I	EQNM3	62	I/O	DDT8	87	I/O	VD1
13	I	PMTH1	38	I	EQSEL	63	I/O	DDT9	88	I/O	VD0
14	I	PMTH0	39	I/O	TBP	64	I/O	DDT10	89	I/O	VBUP
15	—	GND	40	—	GND	65	—	GND	90	—	GND
16	I	IMA	41	I/O	TD0	66	I/O	DDT11	91	—	VDD
17	I	ATH1	42	I/O	TD1	67	I/O	DDT12	92	I	RST
18	I	ATH0	43	I/O	TD2	68	I/O	DDT13	93	I	PS
19	I	RMOD	44	I/O	TD3	69	I/O	DDT14	94	I	REC
20	I	DIG	45	I/O	TD4	70	I/O	DDT15	95	I	TRST
21	I	FSTA	46	I/O	TD5	71	O	DOBUP	96	I	TCK
22	—	GND	47	I/O	TD6	72	I	DIBUP	97	I	TMS
23	—	NC	48	I/O	TD7	73	—	GND	98	O	TDO
24	—	NC	49	I/O	TD8	74	—	NC	99	I	TDI
25	—	NC	50	I/O	TD9	75	—	NC	100	I	SMODE

INPUT

ATH1, ATH0	: ACTIVITY THRESHOLD
CIBUP	: PB BUP
DIBUP	: BUP
DIG	: DIGEST MODE
DORZ	: TEST DATA SELECT
DRET	: DCT RETURN
EACT0, EACT1	: EXTERNAL ACTIVITY
EASEL	: EXTERNAL ACTIVITY ENABLE
EQNM0 - EQNM3	: EXTERNAL Q-NUMBER
EQSEL	: EXTERNAL Q-NUMBER ENABLE
FSTA	: 3-PASS CUT MODE
HRED	: RED DETECT (HD)
IMA	: IMPACT
PH1	: PHASE-1 COMPATIBLE MODE
PMTH0, PMTH1	: PB MOTION THRESHOLD
PS	: POWER SAVE
REC	: REC/PB SELECT (H : REC, L : PB)
RMOD	: ROUND MODE
RMTH0 - RMTH2	: REC MOTION THRESHOLD
RST	: SYSTEM RESET
RTST	: RAM TEST
SD	: MODE SETTING
SMODE	: FOR TEST
SRED	: RED DETECT (SD)
TCK	: JTAG CLOCK
TDI	: JTAG DATA
TDON	: TEST DATA OUTPUT ON
TMODE	: FOR TEST
TMS	: JTAG MODE SET
TRCK	: CLOCK (18 MHz)
TRST	: JTAG RESET
TTCK	: CLOCK (HD : 24 MHz, SD : 18 MHz)

OUTPUT

DOBUP	: BUP
FEERR	: FRAMING ERROR
RDY	: RED DETECT FLAG
TDO	: JTAG DATA

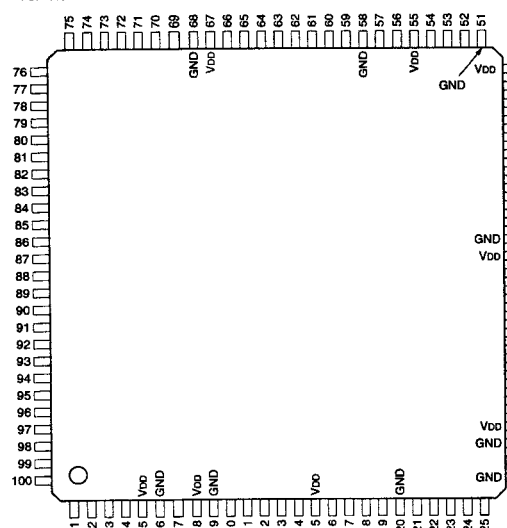
INPUT/OUTPUT

DDT0 - DDT15	: DATA (D1/SFY SIDE)
TBP	: TEST DATA BUP
TD0 - TD9	: TEST DATA
VBUP	: BUP (V1 SIDE)
VD0 - VD7	: DATA (V1 SIDE)

CXD8627BR (SONY)

C-MOS VIDEO AUXILIARY DATA READ/WRITE

—TOP VIEW—



INPUTS

8-B COM	: H : 8-BYTE COM, L : NORMAL
ADV0, ADV1	: OUTPUT TIMING ADVANCE CONTROL
AU-DATA	: AUDIO SERIAL DATA
AU-DATA EN	: AUDIO SERIAL DATA ENABLE
AU-START	: AUDIO START
BUPFS	: FDF DATA TIMING
CK	: MAIN CLOCK (18.1MHz)
CS	: CHIP SELECT
FLD-PLS	: FIELD REFERENCE PULSE
IND EN	: INDI AUDIO ENABLE
H-NWAUX (FOR CXD8627BR)	: H : NEW AUX MODE, L : CXD8627AR MODE
P-SAVE	: POWER SAVE (H : POWER SAVE)
R/P SEL	: REC/PB SEL (H : REC, L : PB)
RST	: SYSTEM RESET
SCK	: SERIAL COMMUNICATION CLOCK
S-DATA IN	: SERIAL COMMUNICATION DATA
SYS SEL	: SYSTEM SELECT (H : PAL, L : NTSC)
THRU/NORM SEL	: THROUGH/NORMAL SELECT (H : THROUGH, L : NORMAL)
TRK-PLS	: TRACK REFERENCE PULSE
TST-AA0 - TST-AA6	: FOR TEST
TST-AA7 (FOR CXD8627R/AR)	: FOR TEST
TST-AB0 - TST-AB7	: FOR TEST
TST-CTL1 - TST-CTL4	: FOR TEST
TST-D0 - TST-D7	: FOR TEST
VI-EN	: VIDEO ENABLE

OUTPUTS

AUX-IOEC	: I/O ENABLE CONTROL
AUX-START	: AUXILIARY START
MODE0 - MODE3	: MODE COMMAND
PERI CNT0 - PERI CNT3	: PERIPHERAL IC CONTROL COMMAND
S-DATA OUT	: SERIAL COMMUNICATION DATA
TST-O0 - TST-O7	: FOR TEST

INPUTS/OUTPUTS

S-FDT0 - S-FDT15	: SYF/FDF DATA BUS
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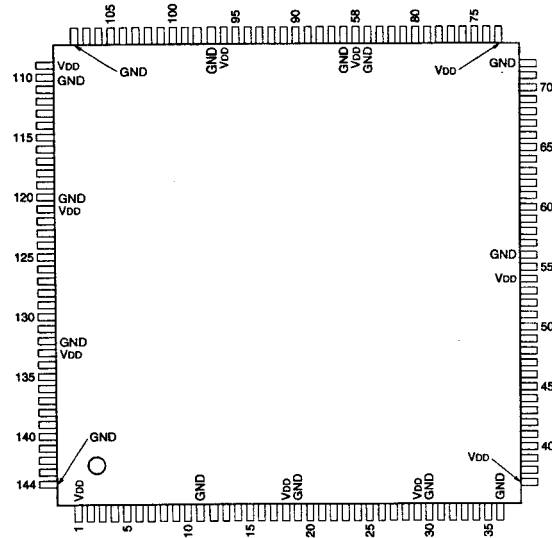
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	TST-CTL1	26	—	GND	51	—	GND	76	I	H-NWAUX*
2	I	TST-CTL2	27	I	CK	52	I	R/P SEL	77	I	TST-AB0
3	I	TST-CTL3	28	—	GND	53	I	ADV0	78	I	TST-AB1
4	I	TST-CTL4	29	—	VDD	54	I	ADV1	79	I	TST-AB2
5	—	VDD	30	I	SYS SEL	55	—	VDD	80	I	TST-AB3
6	—	GND	31	I/O	S-FDT15	56	I	TRK-PLS	81	I	TST-AB4
7	I	8-B COM	32	I/O	S-FDT14	57	I	FLD-PLS	82	I	TST-AB5
8	—	VDD	33	I/O	S-FDT13	58	—	GND	83	I	TST-AB6
9	—	GND	34	I/O	S-FDT12	59	O	PERI CNT0	84	I	TST-AB7
10	I	RST	35	I/O	S-FDT11	60	O	PERI CNT1	85	I	TST-D0
11	I	SCK	36	I/O	S-FDT10	61	O	PERI CNT2	86	I	TST-D1
12	O	S-DATA OUT	37	I/O	S-FDT9	62	O	PERI CNT3	87	I	TST-D2
13	I	S-DATA IN	38	I/O	S-FDT8	63	O	MODE0	88	I	TST-D3
14	I	CS	39	—	VDD	64	O	MODE1	89	I	TST-D4
15	—	VDD	40	—	GND	65	O	MODE2	90	I	TST-D5
16	I	THRU/NORM SEL	41	I/O	S-FDT7	66	O	MODE3	91	I	TST-D6
17	O	AUX-IOEC	42	I/O	S-FDT6	67	—	VDD	92	I	TST-D7
18	I	IND EN	43	I/O	S-FDT5	68	—	GND	93	O	TST-O0
19	I	VI-EN	44	I/O	S-FDT4	69	I	TST-AA0	94	O	TST-O1
20	—	GND	45	I/O	S-FDT3	70	I	TST-AA1	95	O	TST-O2
21	I	AU-DATA	46	I/O	S-FDT2	71	I	TST-AA2	96	O	TST-O3
22	I	AU-START	47	I/O	S-FDT1	72	I	TST-AA3	97	O	TST-O4
23	I	AU-DATA EN	48	I/O	S-FDT0	73	I	TST-AA4	98	O	TST-O5
24	O	AUX-START	49	I	BUPFS	74	I	TST-AA5	99	O	TST-O6
25	I	P-SAVE	50	—	VDD	75	I	TST-AA6	100	O	TST-O7

* NOTE : TST AA7 (FOR CXD8627R/AR)
: H-NWAUX (FOR CXD8627BR)

CXD8628BR (SONY)

VIDEO SIGNAL PROCESSOR

—TOP VIEW—



REC	AY0 - AY9	AB0 - AB7	AR0 - AR7	JSYY	JSYC
1	INPUT	INPUT	INPUT	OUTPUT	OUTPUT
0	OUTPUT	OUTPUT	OUTPUT	INPUT	INPUT

DIOC	DP0 - DP9
1	OUTPUT
0	INPUT

REC	JIOC	JY0 - JY7	JC0 - JC7
1	1	OUTPUT	OUTPUT
1	0		
0	1	INPUT	INPUT
0	0		

1 : HIGH LEVEL
0 : LOW LEVEL

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	37	—	VDD	73	—	VDD	109	—	VDD
2	O	SPCK2	38	I	REC	74	VO	DP9	110	—	GND
3	I	XRESET	39	O	JFOE	75	VO	DP8	111	O	CLP2
4	O	SO	40	O	JOOE	76	VO	DP7	112	VO	AB7
5	I	SI	41	O	SPCKO	77	VO	DP6	113	VO	AB6
6	I	XSC	42	I	FLBKC	78	VO	DP5	114	VO	AB5
7	I	SCK	43	I	FLBKY	79	VO	DP4	115	VO	AB4
8	I	TEST0	44	O	SELVD	80	VO	DP3	116	VO	AB3
9	I	TEST1	45	O	SELH	81	VO	DP2	117	VO	AB2
10	O	SPCK3	46	I	AHD	82	VO	DP1	118	VO	AB1
11	—	GND	47	I	AVD	83	VO	DP0	119	VO	AB0
12	O	IOO	48	I	AOE	84	—	GND	120	—	GND
13	I/O	JY7	49	I	CLKSEL	85	—	VDD	121	—	VDD
14	VO	JY6	50	I	AXY7	86	I	CLK27	122	VO	AR7
15	VO	JY5	51	I	AXY6	87	—	GND	123	VO	AR6
16	VO	JY4	52	I	AXY5	88	I	XTRG	124	VO	AR5
17	VO	JY3	53	I	AXY4	89	O	T0	125	VO	AR4
18	—	VDD	54	—	VDD	90	I	T1	126	VO	AR3
19	—	GND	55	I	ACLK	91	O	CFP	127	VO	AR2
20	VO	JY2	56	—	GND	92	O	CF2	128	VO	AR1
21	VO	JY1	57	I	AXY3	93	O	CF1	129	VO	AR0
22	VO	JY0	58	I	AXY2	94	O	CF0	130	O	CLP1
23	VO	JSYY	59	I	AXY1	95	O	XCSYNC	131	VO	AY9
24	VO	JC7	60	I	AXY0	96	—	VDD	132	—	GND
25	VO	JC6	61	I	YINS	97	—	GND	133	—	VDD
26	VO	JC5	62	I	CINS	98	O	CDOE	134	VO	AY8
27	VO	JC4	63	I	AXC7	99	O	LALT	135	VO	AY7
28	VO	JC3	64	I	AXC6	100	O	XBFG	136	VO	AY6
29	—	VDD	65	I	AXC5	101	O	XBK	137	VO	AY5
30	—	GND	66	I	AXC4	102	O	XVD	138	VO	AY4
31	VO	JC2	67	I	AXC3	103	O	XHD	139	VO	AY3
32	VO	JC1	68	I	AXC2	104	O	XBK	140	VO	AY2
33	VO	JC0	69	I	AXC1	105	O	SPCK1	141	VO	AY1
34	VO	JSYC	70	I	AXC0	106	O	PB	142	VO	AY0
35	I	JIOC	71	I	DIOC	107	O	LBK	143	O	SUON
36	—	GND	72	—	GND	108	—	GND	144	—	GND

INPUT

AXC0 - AXC7	: C AUX DATA (8-BIT OFFSET BINARY DATA)
AXY0 - AXY7	: Y AUX DATA (8-BIT OFFSET BINARY DATA)
ACLK	: 13.5 MHZ EXTERNAL CLOCK
AHD	: EXTERNAL REFERENCE HD
AVD	: EXTERNAL REFERENCE VD
AOE	: EXTERNAL REFERENCE OE
CINS	: C AUX DATA INSERT (H : INS/L : NORMAL)
CLK27	: 27 MHZ MASTER CLOCK
CLKSEL	: 13.5 MHZ INTERNAL CLOCK SELECT (H : CLK27/L : ACLK)
DIOC	: DIO BUS CONTROL (H : OUTPUT/L : INPUT)
FLBKC	: C PLAYBACK OE
FLBKY	: Y PLAYBACK OE
JIOC	: JIO BUS CONTROL (H : NORMAL/L : H-Z)
REC	: MODE SELECT (H : REC/L : PB)
SCK	: COMMUNICATION CLOCK
SI	: COMMUNICATION SERIAL DATA
TEST0, TEST1, T1	: TEST (H : NORMAL)
XCS	: COMMUNICATION CHIP SELECT
XRESET	: SYSTEM RESET (H : NORMAL/L : RESET)
XTRG	: VTR SELF CHECK
YINS	: Y AUX DATA INSERT (H : INS/L : NORMAL)

OUTPUT

CF0 - CF2	: COLOR FRAME DATA
CFP	: COLOR FRAME PULSE
CDOE	: SYNCHRONISED OE SYNC BY COMP SYNC
CLP1, CLP2	: CLAMP SIGNAL OF A/D, D/A
JFOE	: FORCED OE
JOOE	: SELECTED OE
IOO	: I/O PORT (RESERVED)
LALT	: LINE ALTERNATE
LBK	: CHROMA SELECT SIGNAL AT MIX MODE (H : R-Y/L : B-Y)
PB	: INVERT OUTPUT OF REC INPUT (H : PB/L : REC)
SELH	: SELECTED HD
SELVD	: SELECTED VD
SO	: COMMUNICATION SERIAL DATA
SPCKO - SPCK2	: SELECTED 13.5 MHZ CLOCK
SUON	: H : SETUP OPERATE, L : SETUP NON PERATE
T0	: TEST (OPEN : NORMAL)
XBK	: COMPOSITE BLANKING
XBK	: BURST FLUG
XBFG	: XBF SEMI WIDE PULSE
XCSYNC	: COMPOSITE SYNC SIGNAL
XHD	: PLAYBACK HD
XVD	: PLAYBACK VD

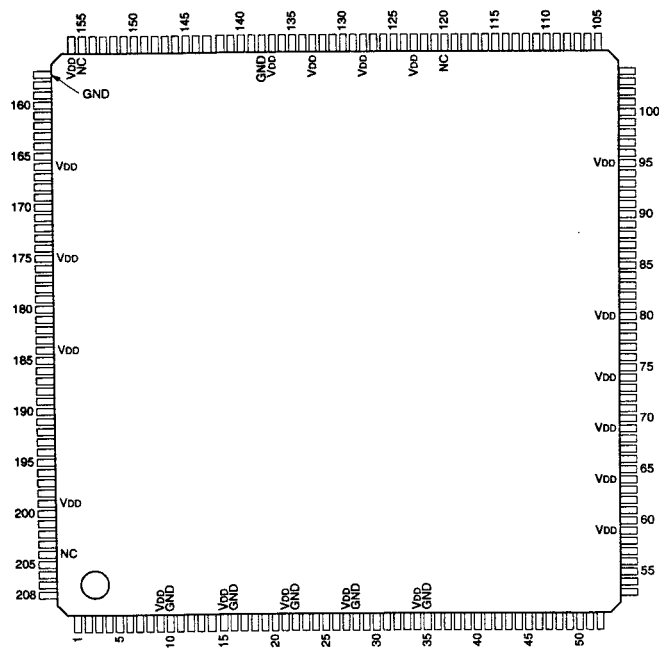
INPUT/OUTPUT

AY0 - AY9	: ANALOG Y DATA
AB0 - AB7	: ANALOG CHROMA DATA (SEP MODE : B-Y, MIX MODE : NOT USED)
AR0 - AR7	: ANALOG CHROMA DATA (SEP MODE : R-Y, MIX MODE : MIXC)
DP0 - DP9	: DIGITAL PARALLEL DATA INPUT/DIGITAL MIX(BYR) OUTPUT
JC0 - JC7	: C DATA FOR J-CORE
JY0 - JY7	: Y DATA FOR J-CORE
JSYC	: C REFERENCE SYNC
JSYY	: Y REFERENCE SYNC

CXD8635Q (SONY)

C-MOS INDEX PICTURE

—TOP VIEW—



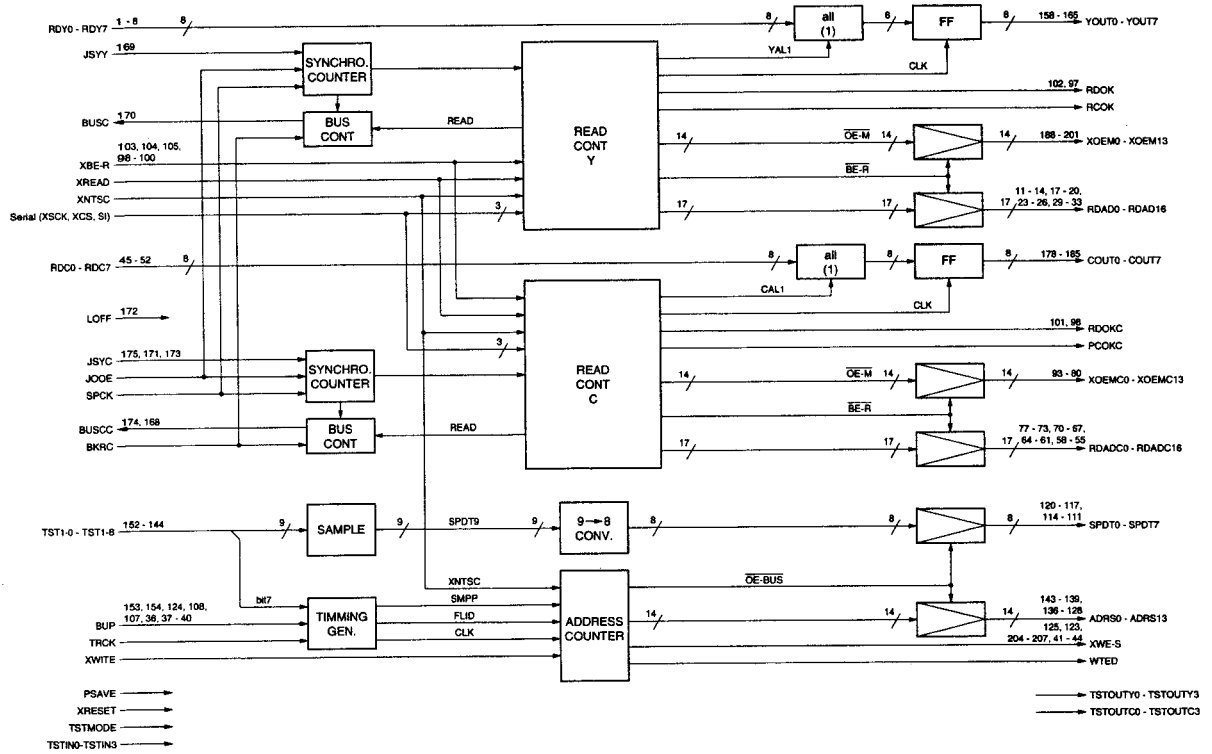
INPUT

ADRS0 - ADRS13	: READ ADDRESS from SRAM-S
BUP	: REFERENCE PULSE
BKRC	: VTR REC MODE
JOOE	: ODD/EVEN DETECT PULSE
JSYC	: C SYNCHRONOUS SIGNAL
JSYY	: Y SYNCHRONOUS SIGNAL
LOFF	: JOOE INVERSION
PSAVE	: POWER SAVE
RDC0 - RDC7	: C DATA
RDY0 - RDY7	: Y DATA
SI	: SERIAL COMMUNICATION DATA
SPCK	: READ CONTROL CLOCK
TRCK	: WRITE CONTROL CLOCK
TSTIN0 - TSTIN3	: TEST SIGNAL
TSTM0 - TSTM1	: TEST MODE
TST1-0 - TST1-8	: 9bit PARALLEL DATA
XBE-R	: OUTPUT CONTROL for XOE-M and ADR17
XCS	: SERIAL COMMUNICATION CHIP SELECT
XNTSC	: NTSC/PAL MODE SELECT
XREAD	: READ COMMAND from SRAM-M
XRESET	: SRAM RESET
XSCK	: SERIAL COMMUNICATION CLOCK
XWE-S	: WRITE ENABLE for SRAM-S
XWRITE	: WRITE COMMAND to SRAM-S

OUTPUT

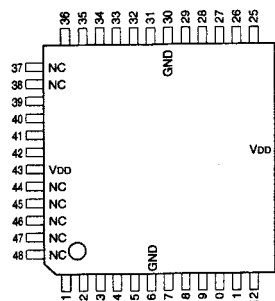
BUSC	: DATA BUS SELECT SWITCH
BUSCC	: DATA BUS SELECT SWITCH
COUT0 - COUT7	: C DATA
PCOK	: Y SERIAL COMMUNICATION READ OK FLAG
PCOKC	: C SERIAL COMMUNICATION READ OK FLAG
RDAD0 - RDAD16	: Y READ ADDRESS from SRAM-M
RDADC0 - RDADC16	: C READ ADDRESS for SRAM-M
RDOK	: Y READ END FLAG from SRAM-M
RDOKC	: C READ END FLAG from SRAM-M
SPDT0 - SPDT7	: OUTPUT DATA from SRAM-S
TSTOUTC0 - TSTOUTC3	: C TEST SIGNAL
TSTOUTY0 - TSTOUTY3	: Y TEST SIGNAL
WTED	: WRITE END FLAG to SRAM-S
XOEM0 - XOEM13	: Y OUTPUT ENABLE for SRAM-M
XOEMC0 - XOEMC13	: C OUTPUT ENABLE for SRAM-M
YOUT0 - YOUT7	: Y DATA

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	RDY0	43	O	TSTOUTC2	85	O	XOEMC8	127	—	GND	169	I	JSYY			
2	I	RDY1	44	O	TSTOUTC3	86	O	XOEMC7	128	O	ADRS13	170	O	BUSC			
3	I	RDY2	45	I	RDC0	87	O	XOEMC6	129	O	ADRS12	171	I	JOOE			
4	I	RDY3	46	I	RDC1	88	O	XOEMC5	130	O	ADRS11	172	I	LOFF			
5	I	RDY4	47	I	RDC2	89	O	XOEMC4	131	O	ADRS10	173	I	SPCK			
6	I	RDY5	48	I	RDC3	90	O	XOEMC3	132	O	ADRS9	174	O	BUSCC			
7	I	RDY6	49	I	RDC4	91	O	XOEMC2	133	O	ADRS8	175	I	JSYC			
8	I	RDY7	50	I	RDC5	92	O	XOEMC1	134	O	ADRS7	176	—	VDD			
9	—	VDD	51	I	RDC6	93	O	XOEMC0	135	O	ADRS6	177	—	GND			
10	—	GND	52	I	RDC7	94	—	VDD	136	O	ADRS5	178	O	COUT0			
11	O	RDAD0	53	—	VDD	95	—	GND	137	—	VDD	179	O	COUT1			
12	O	RDAD1	54	—	GND	96	O	PCOKC	138	—	GND	180	O	COUT2			
13	O	RDAD2	55	O	RDADC16	97	O	PCOK	139	O	ADRS4	181	O	COUT3			
14	O	RDAD3	56	O	RDADC15	98	I	XSCK	140	O	ADRS3	182	O	COUT4			
15	—	VDD	57	O	RDADC14	99	I	SI	141	O	ADRS2	183	O	COUT5			
16	—	GND	58	O	RDADC13	100	I	XCS	142	O	ADRS1	184	O	COUT6			
17	O	RDAD4	59	—	VDD	101	O	RDOKC	143	O	ADRS0	185	O	COUT7			
18	O	RDAD5	60	—	GND	102	O	RDOK	144	I	TST1-8	186	—	VDD			
19	O	RDAD6	61	O	RDADC12	103	I	XBE-R	145	I	TST1-7	187	—	GND			
20	O	RDAD7	62	O	RDADC11	104	I	XREAD	146	I	TST1-6	188	O	XOEM0			
21	—	VDD	63	O	RDADC10	105	I	XNTSC	147	I	TST1-5	189	O	XOEM1			
22	—	GND	64	O	RDADC9	106	—	NC	148	I	TST1-4	190	O	XOEM2			
23	O	RDAD8	65	—	VDD	107	I	XRESET	149	I	TST1-3	191	O	XOEM3			
24	O	RDAD9	66	—	GND	108	I	PSAVE	150	I	TST1-2	192	O	XOEM4			
25	O	RDAD10	67	O	RDADC8	109	—	VDD	151	I	TST1-1	193	O	XOEM5			
26	O	RDAD11	68	O	RDADC7	110	—	GND	152	I	TST1-0	194	O	XOEM6			
27	—	VDD	69	O	RDADC6	111	O	SPDT7	153	I	BUP	195	O	XOEM7			
28	—	GND	70	O	RDADC5	112	O	SPDT6	154	I	TRCK	196	O	XOEM8			
29	O	RDAD12	71	—	VDD	113	O	SPDT5	155	—	NC	197	O	XOEM9			
30	O	RDAD13	72	—	GND	114	O	SPDT4	156	—	VDD	198	O	XOEM10			
31	O	RDAD14	73	O	RDADC4	115	—	VDD	157	—	GND	199	O	XOEM11			
32	O	RDAD15	74	O	RDADC3	116	—	GND	158	O	YOUT0	200	O	XOEM12			
33	O	RDAD16	75	O	RDADC2	117	O	SPDT3	159	O	YOUT1	201	O	XOEM13			
34	—	VDD	76	O	RDADC1	118	O	SPDT2	160	O	YOUT2	202	—	VDD			
35	—	GND	77	O	RDADC0	119	O	SPDT1	161	O	YOUT3	203	—	GND			
36	I	TSTM0	78	—	VDD	120	O	SPDT0	162	O	YOUT4	204	O	TSTOUTY0			
37	I	TSTIN0	79	—	GND	121	—	VDD	163	O	YOUT5	205	O	TSTOUTY1			
38	I	TSTIN1	80	O	XOEMC13	122	—	GND	164	O	YOUT6	206	O	TSTOUTY2			
39	I	TSTIN2	81	O	XOEMC12	123	O	WTED	165	O	YOUT7	207	O	TSTOUTY3			
40	I	TSTIN3	82	O	XOEMC11	124	I	XWRITE	166	—	VDD	208	—	NC			
41	O	TSTOUTC0	83	O	XOEMC10	125	O	XWE-S	167	—	GND						
42	O	TSTOUTC1	84	O	XOEMC9	126	—	VDD	168	I	BKRC						



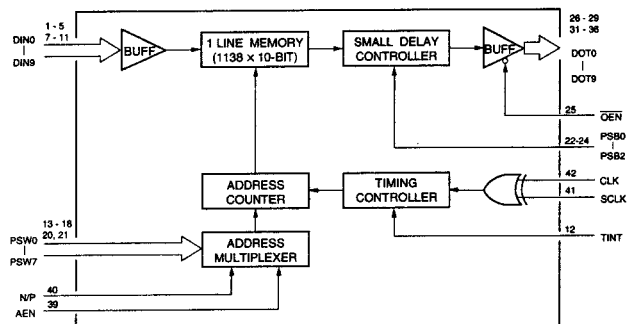
CXK1203AR (SONY) CXK1203AR-T4

C-MOS DIGITAL LINE MEMORY -TOP VIEW-



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	D0	13	I	PSW7	25	I	OEN	37	—	NC
2	I	D1	14	I	PSW6	26	O	DOT9	38	—	NC
3	I	D2	15	I	PSW5	27	O	DOT8	39	I	AEN
4	I	D3	16	I	PSW4	28	O	DOT7	40	I	N/P
5	I	D4	17	I	PSW3	29	O	DOT6	41	I	SCLK
6	—	GND	18	I	PSW2	30	—	GND	42	I	CLK
7	I	D5	19	—	VDD	31	O	DOT5	43	—	VDD
8	I	D6	20	I	PSW1	32	O	DOT4	44	—	NC
9	I	D7	21	I	PSW0	33	O	DOT3	45	—	NC
10	I	D8	22	I	PSB2	34	O	DOT2	46	—	NC
11	I	D9	23	I	PSB1	35	O	DOT1	47	—	NC
12	I	TINT	24	I	PSB0	36	O	DOT0	48	—	NC

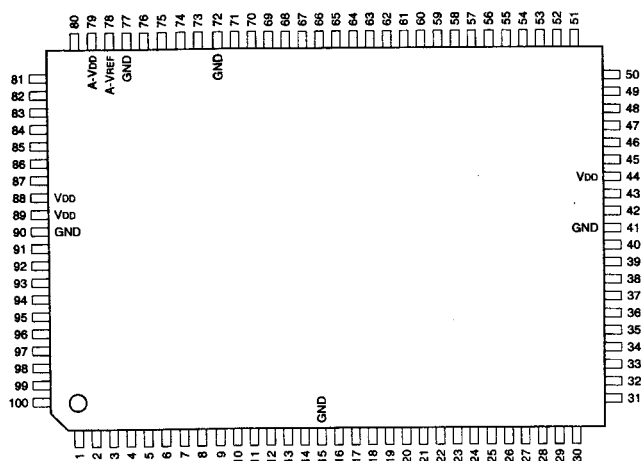
- AEN : LINE MEMORY SELECT
- CLK : CLOCK
- DIN0 - DIN9 : VIDEO DATA INPUT
- DOT0 - DOT9 : VIDEO DATA OUTPUT
- N/P : NTSC/PAL/SECAM SELECT
- OEN : OUTPUT ENABLE
- PSB0 - PSB2 : DELAY STEP SELECT (1-BITxN)
- PSW0 - PSW7 : DELAY STEP SELECT (8-BITxN)
- SCLK : CLOCK EDGE SELECT
- TINT : TEST



CXP901016-602Q (SONY)
CXP901P016Q-1 (SONY)

C-MOS 16-BIT SINGLE CHIP MICROCOMPUTER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	PB2	26	I/O	PE2	51	I	PG6	76	I	AN3
2	O	PB3	27	I/O	PE3	52	I	PG7	77	—	GND
3	O	PB4	28	I/O	PE4	53	I	PH0/EX10	78	—	A-VREF
4	O	PB5	29	I/O	PE5	54	I	PH1/EX11	79	—	A-VDD
5	O	PB6	30	I/O	PE6	55	I	PH2	80	I/O	PJ0/AN4/KS8
6	O	PB7	31	I/O	PE7	56	I	PH3	81	I/O	PJ1/AN5/KS9
7	I/O	PC0	32	I	PF0/EC0/INT0	57	I	PH4	82	I/O	PJ2/AN6/KS10
8	I/O	PC1	33	I	PF1/EC2/INT1	58	I	PH5	83	I/O	PJ3/AN7/KS11
9	I/O	PC2	34	I	PF2/CS1/NMI/CINT	59	I	PH6	84	I/O	PJ4/AN8/KS12
10	I/O	PC3/RT00	35	I	PF3/SI1/INT2	60	I	PH7	85	I/O	PJ5/AN9/KS13
11	I/O	PC4/RT01	36	O	PF4/SO1	61	I	CS0	86	I/O	PJ6/AN10/KS14
12	I/O	PC5/RT02	37	I/O	PF5/SCK1	62	I	SI0	87	I/O	PJ7/AN11/KS15
13	I/O	PC6/RT03	38	O	PF6/T1	63	O	SO0	88	—	VDD
14	I/O	PC7/RT04	39	O	PF7/T2	64	I/O	SCK0	89	—	VDD
15	—	GND	40	I/O	RST	65	I/O	PI0/SI2	90	—	GND
16	I/O	PD0/KS0	41	—	GND	66	I/O	PI1/SO2	91	O	PA0
17	I/O	PD1/KS1	42	O	XTAL	67	I/O	PI2/SCK2	92	O	PA1
18	I/O	PD2/KS2	43	I	EXTAL	68	I/O	PI3/PO	93	O	PA2
19	I/O	PD3/KS3	44	—	VDD	69	I	PI4/PCK	94	O	PA3
20	I/O	PD4/KS4	45	O	PG0/PWM0	70	I	PI5	95	O	PA4
21	I/O	PD5/KS5	46	O	PG1/PWM1	71	I/O	PI6/XOUT	96	O	PA5
22	I/O	PD6/KS6	47	O	PG2/PWM2	72	—	GND	97	O	PA6
23	I/O	PD7/KS7	48	O	PG3/PWM3	73	I	PI7/AN0	98	O	PA7
24	I/O	PE0	49	O	PG4	74	I	AN1	99	O	PB0
25	I/O	PE1	50	O	PG5	75	I	AN2	100	O	PB1

INPUT

AN0 - AN11	: A/D CONVERTER ANALOG SIGNAL
CINT	: EXTERNAL CAPTURE FOR TIMER/COUNTER
CS0	: CH0 SERIAL CHIP SELECT
CS1	: CH1 SERIAL CHIP SELECT
EC0, EC2	: EXTERNAL EVENT INPUT FOR TIMER/COUNTER
EX10, EX11	: EXTERNAL INPUT FOR FRC CAPTURE UNIT
EXTAL	: EXTERNAL CRYSTAL OSCILLATOR FOR SYSTEM CLOCK
INT0 - INT2	: EXTERNAL INTERRUPT REQUEST
NMI	: NON-MASKABLE INTERRUPT REQUEST
PCK	: PRE-SCALER CLOCK
PFO - PF3	: PORT F
PG6, PG7	: PORT G
PH0 - PH7	: PORT H
PI4 - PI7	: PORT I
SI0	: CH0 SERIAL DATA
SI1	: CH1 SERIAL DATA
SI2	: CH2 SERIAL DATA

OUTPUT

PA0 - PA7	: PORT A
PB0 - PB7	: PORT B
PF4 - PF7	: PORT F
PG0 - PG5	: PORT G
PO	: PRE-SCALER
PWM0 - PWM3	: 4-BIT PWM
RT00 - RT04	: REAL TIME PULSE GENERATOR
SO0	: CH0 SERIAL DATA
SO1	: CH1 SERIAL DATA
SO2	: CH2 SERIAL DATA
T1	: 8-BIT TIMER/COUNTER
T2	: 16-BIT CAPTURE TIMER/COUNTER
XOUT	: CLOCK GENERATOR
XTAL	: EXTERNAL CRYSTAL FOR SYSTEM CLOCK

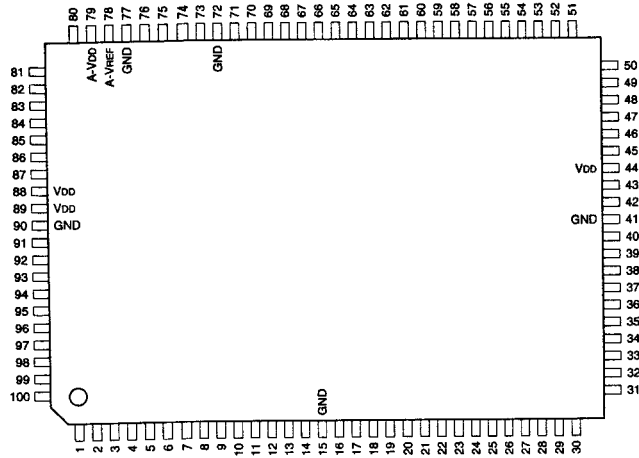
INPUT/OUTPUT

PC0 - PC7	: PORT C
PD0 - PD7	: PORT D
PE0 - PE7	: PORT E
PI0 - PI3	: PORT I
PJ0 - PJ7	: PORT J
RST	: SYSTEM RESET
SCK0	: CH0 SERIAL CLOCK
SCK1	: CH1 SERIAL DATA
SCK2	: CH2 SERIAL CLOCK

CXP911P016Q-1 (SONY)

C-MOS 16-BIT SINGLE CHIP MICROCOMPUTER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	PB2/PP010	26	I/O	PE2	51	I	PG6/RFG0	76	I	AN3
2	O	PB3/PP011	27	I/O	PE3	52	I	PG7/RFG1	77	—	GND
3	O	PB4/PP012	28	I/O	PE4	53	I	PH0/EXI0	78	—	A-VREF
4	O	PB5/PP013	29	I/O	PE5	54	I	PH1/EXI1	79	—	A-VDD
5	O	PB6/PP014	30	I/O	PE6	55	I	PH2/SYNC0/PMI	80	I/O	PJ0/AN4/KS8
6	O	PB7/PP015	31	I/O	PE7	56	I	PH3/SYNC1	81	I/O	PJ1/AN5/KS9
7	I/O	PC0/PP016	32	I	PF0/EC0/INT0	57	I	PH4/PMASK	82	I/O	PJ2/AN6/KS10
8	I/O	PC1/PP017	33	I	PF1/EC2/INT1	58	I	PH5/DFG	83	I/O	PJ3/AN7/KS11
9	I/O	PC2/PP018	34	I	PF2/CS1/INT/CNT	59	I	PH6/DFG	84	I/O	PJ4/AN8/KS12
10	I/O	PC3/RT00	35	I	PF3/S11/INT2	60	I	PH7/CFG	85	I/O	PJ5/AN9/KS13
11	I/O	PC4/RT01	36	O	PF4/SO1	61	I	CS0	86	I/O	PJ6/AN10/KS14
12	I/O	PC5/RT02	37	I/O	PF5/SCK1	62	I	SI0	87	I/O	PJ7/AN11/KS15
13	I/O	PC6/RT03	38	O	PF6/T1	63	O	SD0	88	—	VDD
14	I/O	PC7/RT04	39	O	PF7/T2	64	I/O	SCK0	89	—	VDD
15	—	GND	40	I/O	RST	65	I/O	PI0/SI2	90	—	GND
16	I/O	PD0/KS0	41	—	GND	66	I/O	PI1/SO2	91	O	PA0/PP0000/PP0100
17	I/O	PD1/KS1	42	O	XTAL	67	I/O	PI2/SCK2	92	O	PA1/PP0001/PP0101
18	I/O	PD2/KS2	43	I	EXTAL	68	I/O	PI3/PO	93	O	PA2/PP0002/PP0102
19	I/O	PD3/KS3	44	—	VDD	69	I	PI4/PCK/OSCI	94	O	PA3/PP0003/PP0103
20	I/O	PD4/KS4	45	O	PG0/PWM0	70	I	PI5/OSCO	95	O	PA4/PP0004/PP0104
21	I/O	PD5/KS5	46	O	PG1/PWM1	71	I/O	PI6/XOUT	96	O	PA5/PP0005/PP0105
22	I/O	PD6/KS6	47	O	PG2/PWM2	72	—	GND	97	O	PA6/PP0006/PP0106
23	I/O	PD7/KS7	48	O	PG3/PWM3	73	I	PI7/AN0	98	O	PA7/PP0007/PP0107
24	I/O	PE0	49	O	PG4/DA0	74	I	AN1	99	O	PA8/PP0008/PP0108
25	I/O	PE1	50	O	PG5/DA1	75	I	AN2	100	O	PA9/PP0009/PP0109

INPUT

AN0 - AN11	: A/D CONVERTER ANALOG SIGNAL
CFG	: CAPSTAN FG
CINT	: EXTERNAL CAPTURE FOR TIMER/COUNTER
CS0	: CH0 SERIAL CHIP SELECT
CS1	: CH1 SERIAL CHIP SELECT
DFG	: DRUM FG
DPG	: DRUM PG
EC0, EC2	: EXTERNAL EVENT INPUT FOR TIMER/COUNTER
EXI0, EXI1	: EXTERNAL INPUT FOR FRC CAPTURE UNIT
EXTAL	: EXTERNAL CRYSTAL OSCILLATOR FOR SYSTEM CLOCK
INT0 - INT2	: EXTERNAL INTERRUPT REQUEST
NMI	: NON-MASKABLE INTERRUPT REQUEST
OSCI	: EXTERNAL CRYSTAL OSCILLATOR FOR PRE-SCALER
PCK	: PRE-SCALER CLOCK
PFO - PF3	: PORT F
PG6, PG7	: PORT G
PH0 - PH7	: PORT H
PI4 - PI7	: PORT I
PMI	: PULSE INPUT FOR PULSE DURATION MEASURING CIRCUIT
PMASK	: MASK INPUT FOR PULSE DURATION MEASURING CIRCUIT
RFG0, RFG1	: REEL FG
SI0	: CH0 SERIAL DATA
SI1	: CH1 SERIAL DATA
SI2	: CH2 SERIAL DATA
SYNC0, SYNC1	: COMPOSITE SYNC

OUTPUT

DA0, DA1	: DA GATE PULSE
OSCO	: EXTERNAL CRYSTAL OSCILLATOR FOR PRE-SCALER
PA0 - PA7	: PORT A
PB0 - PB7	: PORT B
PF4 - PF7	: PORT F
PG0 - PG4	: PORT G
PO	: PRE-SCALER
PP0000 - PP0018	: PROGRAMMABLE PATTERN GENERATOR
PP0100 - PP0109	: PROGRAMMABLE PATTERN GENERATOR
PWM0 - PWM3	: 4-BIT PWM
RT00 - RT04	: REAL TIME PULSE GENERATOR
SO0	: CH0 SERIAL DATA
SO1	: CH1 SERIAL DATA
SO2	: CH2 SERIAL DATA
T1	: 8-BIT TIMER/COUNTER
T2	: 16-BIT CAPTURE TIMER/COUNTER
XOUT	: CLOCK GENERATOR
XTAL	: EXTERNAL CRYSTAL FOR SYSTEM CLOCK

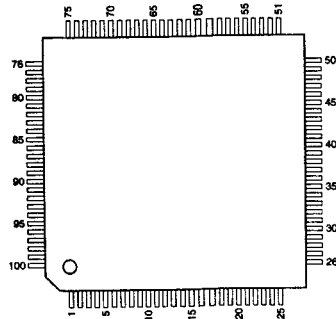
INPUT/OUTPUT

PC0 - PC7	: PORT C
PD0 - PD7	: PORT D
PE0 - PE7	: PORT E
PI0 - PI3	: PORT I
PJ0 - PJ7	: PORT J
RST	: SYSTEM RESET
SCK0	: CH0 SERIAL CLOCK
SCK1	: CH1 SERIAL DATA
SCK2	: CH2 SERIAL CLOCK

CX913P048R-2 (SONY)

16-BIT SINGLE CHIP MICROCOMPUTER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	PB4/PP0012	26	I/O	PE4	51	I	PH0/EXI0	76	—	AVREF
2	O	PB5/PP0013	27	I/O	PE5	52	I	PH1/EXI1	77	—	AVCC
3	O	PB6/PP0014	28	I/O	PE6	53	I	PH2/SYNO/PMI	78	I/O	PJ0/AN4/KS8
4	O	PB7/PP0015	29	I/O	PE7	54	I	PH3/SYNC1	79	I/O	PJ1/AN5/KS9
5	I/O	PC0/PP0018	30	I	PF0/EC0/INT0	55	I	PH4/PMASK	80	I/O	PJ2/AN6/KS10
6	I/O	PC1/PP0017	31	I	PF1/EC2/INT1	56	I	PH5/DPG	81	I/O	PJ3/AN7/KS11
7	I/O	PC2/PP0018	32	I	PF2/CS1/NMI/CINT	57	I	PH6/DFG	82	I/O	PJ4/AN8/KS12
8	I/O	PC3/RT00	33	I	PF3/SI1/INT2	58	I	PH7/CFG	83	I/O	PJ5/AN9/KS13
9	I/O	PC4/RT01	34	O	PF4/SO1	59	I	CS0	84	I/O	PJ6/AN10/KS14
10	I/O	PC5/RT02	35	I/O	PF5/SCK1	60	I	SI0	85	I/O	PJ7/AN11/KS15
11	I/O	PC6/RT03	36	O	PF6/T1	61	O	SO0	86	—	Vcc
12	I/O	PC7/RT04	37	O	PF7/T2	62	I/O	SCK0	87	—	Vcc
13	—	GND	38	I/O	RST	63	I/O	PI0/SI2	88	—	GND
14	I/O	PD0/KS0	39	—	GND	64	I/O	PI1/SO2	89	O	PA0/PP0000/PP0100
15	I/O	PD1/KS1	40	O	XTAL	65	I/O	PI2/SCK2	90	O	PA1/PP0001/PP0101
16	I/O	PD2/KS2	41	I	EXTAL	66	I/O	PI3/CS2/PO	91	O	PA2/PP0002/PP0102
17	I/O	PD3/KS3	42	—	Vcc	67	I	PI4/PC0/OSCI	92	O	PA3/PP0003/PP0103
18	I/O	PD4/KS4	43	O	PG0/PWM0	68	I	PI5/OSCO	93	O	PA4/PP0004/PP0104
19	I/O	PD5/KS5	44	O	PG1/PWM1	69	I/O	PI6/XOUT	94	O	PA5/PP0005/PP0105
20	I/O	PD6/KS6	45	O	PG2/PWM2	70	—	GND	95	O	PA6/PP0006/PP0106
21	I/O	PD7/KS7	46	O	PG3/PWM3	71	I	PI7/AN0	96	O	PA7/PP0007/PP0107
22	I/O	PE0	47	O	PG4/DA0	72	I	AN1	97	O	PB0/PP0008/PP0108
23	I/O	PE1	48	O	PG5/DA1	73	I	AN2	98	O	PB1/PP0009/PP0109
24	I/O	PE2	49	I	PG6/RFG0	74	I	AN3	99	O	PB2/PP0010
25	I/O	PE3	50	I	PG7/RFG1	75	—	AGND	100	O	PB3/PP0011

INPUTS

AN0 - AN11	: A/D CONVERTER ANALOG SIGNAL
CFG	: CAPSTAN FG
CINT	: EXTERNAL CAPTURE FOR TIMER/COUNTER
CS0 - CS2	: SERIAL CHIP SELECT (CH0 - CH2)
DFG	: DRUM FG
DPG	: DRUM PG
EC0, EC2	: EXTERNAL EVENT INPUT FOR TIMER/COUNTER
EXI0, EXI1	: EXTERNAL INPUT FOR FRC CAPTURE UNIT
EXTAL	: EXTERNAL CRYSTAL OSCILLATOR FOR SYSTEM CLOCK
INT0 - INT2	: EXTERNAL INTERRUPT REQUEST
NMI	: NON-MASKABLE INTERRUPT REQUEST
OSCI	: EXTERNAL CRYSTAL OSCILLATOR FOR PRE-SCALER
PCK	: PRE-SCALER CLOCK
PF0 - PF3	: PORT F
PG6, PG7	: PORT G
PH0 - PH7	: PORT H
PI4 - PI7	: PORT I
PMI	: PULSE INPUT FOR PULSE DURATION MEASURING CIRCUIT
PMASK	: MASK INPUT FOR PULSE DURATION MEASURING CIRCUIT
RFG0, RFG1	: REEL FG
SI0 - SI2	: SERIAL DATA (CH0 - CH2)
SYNO, SYNC1	: COMPOSITE SYNC

OUTPUTS

DA0, DA1	: DA GATE PULSE
OSCO	: EXTERNAL CRYSTAL OSCILLATOR FOR PRE-SCALER
PA0 - PA7	: PORT A
PB0 - PB7	: PORT B
PF4 - PF7	: PORT F
PG0 - PG5	: PORT G
PO	: PRE-SCALER
PP0000 - PPO018	: PROGRAMMABLE PATTERN GENERATOR
PP0100 - PPO109	: PROGRAMMABLE PATTERN GENERATOR
PWM0 - PWM3	: 14-BIT PWM
RT00 - RT04	: REAL TIME PULSE GENERATOR
SO0 - SO2	: SERIAL DATA (CH0 - CH2)
T1	: 8-BIT TIMER/COUNTER
T2	: 16-BIT CAPTURE TIMER/COUNTER
XOUT	: CLOCK GENERATOR
XTAL	: EXTERNAL CRYSTAL FOR SYSTEM CLOCK

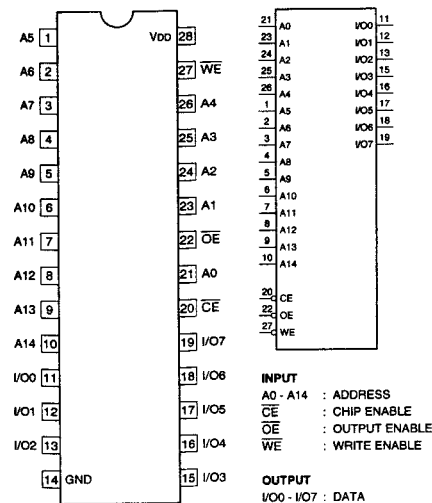
INPUTS/OUTPUTS

PC0 - PC7	: PORT C
PD0 - PD7	: PORT D
PE0 - PE7	: PORT E
PI0 - PI3	: PORT I
PJ0 - PJ7	: PORT J
RST	: SYSTEM RESET
SCK0, SCK2	: SERIAL CLOCK (CH0, CH2)
SCK1	: SERIAL CLOCK (CH1)

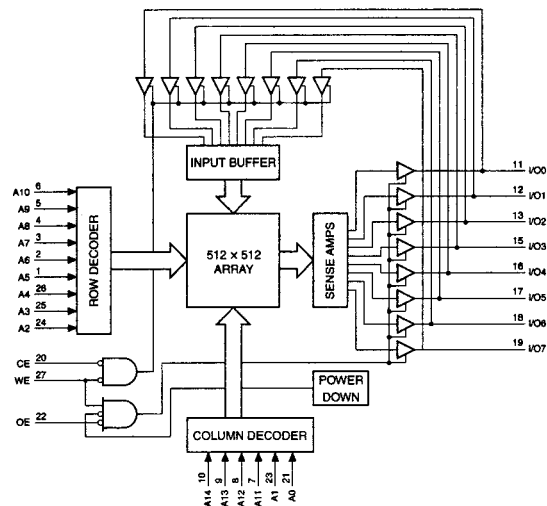
CY62256LL-70ZC-T2 (CYPRESS)

C-MOS 256 K (32 K x 8)-BIT SRAM

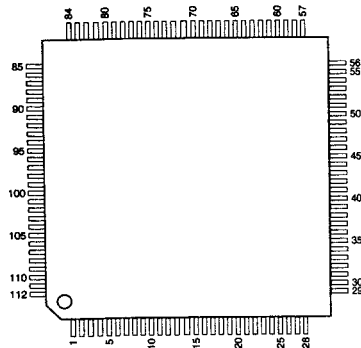
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	A5	8	I	A12	15	I/O	I/O3	22	I	OE
2	I	A6	9	I	A13	16	I/O	I/O4	23	I	A1
3	I	A7	10	I	A14	17	I/O	I/O5	24	I	A2
4	I	A8	11	I/O	I/O0	18	I/O	I/O6	25	I	A3
5	I	A9	12	I/O	I/O1	19	I/O	I/O7	26	I	A4
6	I	A10	13	I/O	I/O2	20	I	CE	27	I	WE
7	I	A11	14	—	GND	21	I	A0	28	—	VDD



HD6437034SC81F (HITACHI)

MICROCOMPUTER
—TOP VIEW—

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	PB14/TP14/IRQ6	39	O	A15	77	—	Vcc
2	I/O	PB15/TP15/IRQ7	40	—	GND	78	O	WDTOVF
3	—	GND	41	O	A16	79	I	RES
4	I/O	AD0	42	O	A17	80	I	MD0
5	I/O	AD1	43	—	Vcc	81	I	MD1
6	I/O	AD2	44	O	A18	82	I	MD2
7	I/O	AD3	45	O	A19	83	I	Vcc
8	I/O	AD4	46	O	A20	84	I	Vcc
9	I/O	AD5	47	O	A21	85	—	AVcc
10	I/O	AD6	48	O	CS0	86	—	AVREF
11	I/O	AD7	49	O	CS1/CASH	87	I	PC0/AN0
12	—	GND	50	O	CS2	88	I	PC1/AN1
13	I/O	AD8	51	O	CS3/CASL	89	I	PC2/AN2
14	I/O	AD9	52	—	GND	90	I	PC3/AN3
15	—	Vcc	53	I/O	PA0/CS4/TIOCA0	91	—	AGND
16	I/O	AD10	54	I/O	PA1/CS5/RAS	92	I	PC4/AN4
17	I/O	AD11	55	I/O	PA2/CS6/TIOC80	93	I	PC5/AN5
18	I/O	AD12	56	I/O	PA3/CS7/WAIT	94	I	PC6/AN6
19	I/O	AD13	57	I/O	PA4/WRL (WR)	95	I	PC7/AN7
20	I/O	AD14	58	I/O	PA5/WRL (LBS)	96	—	GND
21	I/O	AD15	59	I/O	PA6/RD	97	I/O	PB0/TP0/TIOCA2
22	—	GND	60	I/O	PA7/BACK	98	I/O	PB1/TP1/TIOC82
23	O	A0 (HBS)	61	—	GND	99	—	Vcc
24	O	A1	62	I/O	PAB/BREQ	100	I/O	PB2/TP2/TIOCA3
25	O	A2	63	I/O	PAB/IRQOUT/ADTRG	101	I/O	PB3/TP3/TIOC83
26	O	A3	64	I/O	PA10/DPL/TIOCA1	102	I/O	PB4/TP4/TIOCA4
27	O	A4	65	I/O	PA11/DPH/TIOCB1	103	I/O	PB5/TP5/TIOC84
28	O	A5	66	I/O	PA12/IRQ0/DACK0/TCLKA	104	I/O	PB6/TP6/TIOCA4/TCLKC
29	O	A6	67	I/O	PA13/IRQ0/DREQ0/TCLKB	105	I/O	PB7/TP7/TIOC84/TCLKD
30	O	A7	68	I/O	PA14/IRQ2/DACK1	106	—	GND
31	—	GND	69	I/O	PA15/IRQ3/DREQ1	107	I/O	PB8/TP8/RXD0
32	O	A8	70	—	Vcc	108	I/O	PB9/TP9/TXD0
33	O	A9	71	O	CK	109	I/O	PB10/TP10/RXD1
34	O	A10	72	—	GND	110	I/O	PB11/TP11/TXD1
35	O	A11	73	I	EXTAL	111	I/O	PB12/TP12/TIO4/SCK0
36	O	A12	74	I	XTAL	112	I/O	PB13/TP13/IRQ5/SCK0
37	O	A13	75	—	Vcc			
38	O	A14	76	I	NMI			

INPUTS

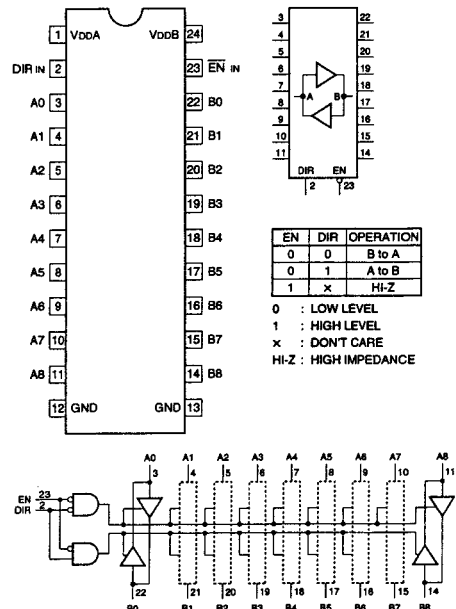
ADTRG : AD TRIGGER
 AN0 - AN7 : ANALOG
 BREQ : BUS REQUEST
 DREQ0, DREQ1 : DMA TRANSFER REQUEST
 EXTAL : EXTERNAL CLOCK
 IRQ0 - IRQ7 : INTERRUPT REQUEST
 MD0 - MD2 : MODE SELECT
 NMI : NON-MASKABLE INTERRUPT
 PC0 - PC7 : PORT C
 RES : RESET
 RXD0, RXD1 : RECEIVE DATA
 TCLKA - TCLKD : ITU TIMER CLOCK
 WAIT : WAIT
 XTAL : CRYSTAL

OUTPUTS

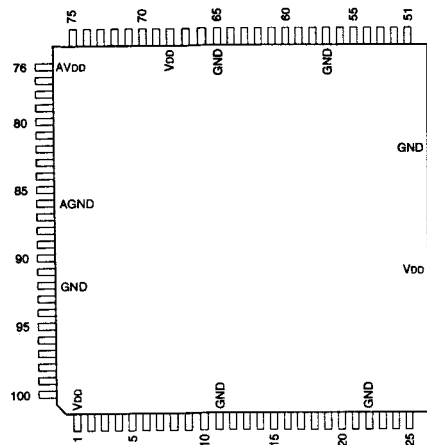
A0 - A21 : ADDRESS BUS
 AH : ADDRESS HOLD
 BACK : BUS REQUEST ACKNOWLEDGE
 CASH : COLUMN ADDRESS STROBE HIGH
 CASL : COLUMN ADDRESS STROBE LOW
 CK : SYSTEM CLOCK
 CS0 - CS7 : CHIP SELECT
 DACK0, DACK1 : DMA TRANSFER ACKNOWLEDGE
 HBS : UPPER BYTE STROBE
 LBS : LOWER BYTE STROBE
 RAS : ROW ADDRESS STROBE
 RD : READ
 IRQOUT : CONTROLLED REQUEST
 TOCX4, TOCX84 : ITU OUTPUT COMPARE
 TP0 - TP15 : TIMING PATTERN
 TXD0, TXD1 : TRANSMIT DATA
 WDTOVF : WATCH-DOG TIMER OVERFLOW
 WR : WRITE
 WRH : UPPER WRITE
 WRL : LOWER WRITE

INPUTS/OUTPUTS

AD0 - AD15 : DATA BUS
 DPH : HIGH DATA PARITY
 DPL : LOW DATA PARITY
 PA0 - PA15 : PORT A
 PB0 - PB15 : PORT B
 SCK0, SCK1 : SERIAL CLOCK
 TIOCA0 - TIOCA4 : ITU INPUT CAPTURE/OUTPUT COMPARE
 TIOC80 - TIOC84 : ITU INPUT CAPTURE/OUTPUT COMPARE

HD151015T (HITACHI)
HD151015TELC-MOS 9-BIT LEVEL SHIFTER/TRANSCIEVER WITH 3-STATE OUTPUTS
—TOP VIEW—

HD64F3048VF8 (HITACHI)

C-MOS 16-BIT SINGLE CHIP MICROCOMPUTER
—TOP VIEW—

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	35	—	VDD	69	I/O	P63/AS
2	I/O	TIOCA3/TP8/PB0	36	I/O	A0/P10	70	I/O	P64/RD
3	I/O	TIOCB3/TP9/PB1	37	I/O	A1/P11	71	I/O	P65/HWR
4	I/O	TIOCA4/TP10/PB2	38	I/O	A2/P12	72	I/O	P66/LWR
5	I/O	TIOCB4/TP11/PB3	39	I/O	A3/P13	73	I	MD0
6	I/O	TOCXA4/TP12/PB4	40	I/O	A4/P14	74	I	MD1
7	I/O	TOCXB4/TP13/PB5	41	I/O	A5/P15	75	I	MD2
8	I/O	CS7/DREQ0/TP14/PB6	42	I/O	A6/P16	76	—	AVDD
9	I/O	ADTRG/DREQ1/TP15/PB7	43	I/O	A7/P17	77	I	VREF
10	O	RES0	44	—	GND	78	I	P70/AN0
11	—	GND	45	I/O	A8/P20	79	I	P71/AN1
12	I/O	TXD0/P90	46	I/O	A9/P21	80	I	P72/AN2
13	I/O	TXD1/P91	47	I/O	A10/P22	81	I	P73/AN3
14	I/O	RXD0/P92	48	I/O	A11/P23	82	I	P74/AN4
15	I/O	RXD1/P93	49	I/O	A12/P24	83	I	P75/AN5
16	I/O	IRQ4/SCK0/P94	50	I/O	A13/P25	84	I/O	P76/AN6/DA0
17	I/O	IRQ5/SCK1/P95	51	I/O	A14/P26	85	I/O	P77/AN7/DA1
18	I/O	D0/P40	52	I/O	A15/P27	86	—	AGND
19	I/O	D1/P41	53	I/O	A16/P50	87	I/O	P80/RFSH/IRQ0
20	I/O	D2/P42	54	I/O	A17/P51	88	I/O	P81/CS3/IRQ1
21	I/O	D3/P43	55	I/O	A18/P52	89	I/O	P82/CS2/IRQ2
22	—	GND	56	I/O	A19/P53	90	I/O	P83/CS1/IRQ3
23	I/O	D4/P44	57	—	GND	91	I/O	P84/CS0
24	I/O	D5/P45	58	I/O	P60/WAIT	92	—	GND
25	I/O	D6/P46	59	I/O	P61/BREQ	93	I/O	PA0/TP0/TEND0/TCLKA
26	I/O	D7/P47	60	I/O	P62/BACK	94	I/O	PA1/TP1/TEND0/TCLKB
27	I/O	D8/P30	61	O	STBY	95	I/O	PA2/TP2/TIOCA0/TCLKC
28	I/O	D8/P31	62	I	STBY	96	I/O	PA3/TP3/TIOCB0/TCLKD
29	I/O	D10/P32	63	I	RES	97	I/O	PA4/TP4/TIOCA1/A23/CS6
30	I/O	D11/P33	64	I	NMI	98	I/O	PA5/TP5/TIOCB1/A22/CS5
31	I/O	D12/P34	65	—	GND	99	I/O	PA6/TP6/TIOCA2/A21/CS4
32	I/O	D13/P35	66	I	EXTAL	100	I/O	PA7/TP7/TIOCB2/A20
33	I/O	D14/P36	67	I	XTAL			
34	I/O	D15/P37	68	—	VDD			

INPUT

ADTRG : A/D CONVERTER TRIGGER
 AN0 - AN7 : ANALOG
 BREQ : BUS REQUEST
 DREQ0, DREQ1 : DMA REQUEST
 EXTAL : CRYSTAL OSCILLATOR AND EXTERNAL CLOCK
 IRQ0 - IRQ5 : INTERRUPT REQUEST
 MD0 - MD2 : MODE SELECT
 NMI : NON-MASKABLE INTERRUPT
 RES : RESET
 RXD0, RXD1 : RECEIVE DATA
 STBY : STANDBY
 TCLKA-TCLKD : CLOCK
 VREF : A/D AND D/A CONVERTER REFERENCE VOLTAGE
 WAIT : WAIT
 XTAL : CRYSTAL OSCILLATOR

OUTPUT

φ : SYSTEM CLOCK
 A0 - A23 : ADDRESS BUS
 AS : ADDRESS STROBE
 BACK : BUS REQUEST ACKNOWLEDGE
 CS0 - CS7 : CHIP SELECT
 DA0, DA1 : ANALOG
 HWR : HIGH WRITE
 LWR : LOW WRITE
 RD : READ
 RES0 : RESET
 RFSH : REFRESH
 TEND0, TEND1 : DMA END
 TOCXA4 : OUTPUT COMPARE XA4
 TOCXB4 : OUTPUT COMPARE XB4
 TP0 - TP15 : TIMING PATTERN CONTROLLER
 TXD0, TXD1 : TRANSMIT DATA

INPUT/OUTPUT

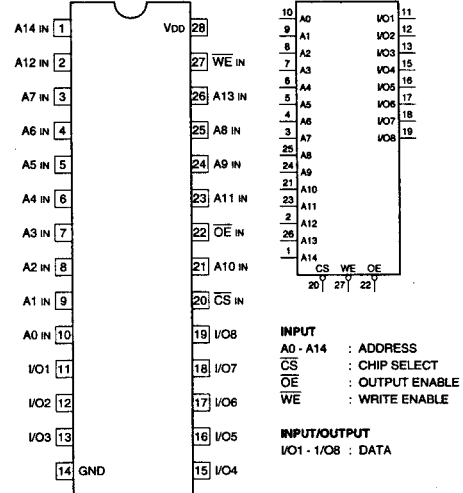
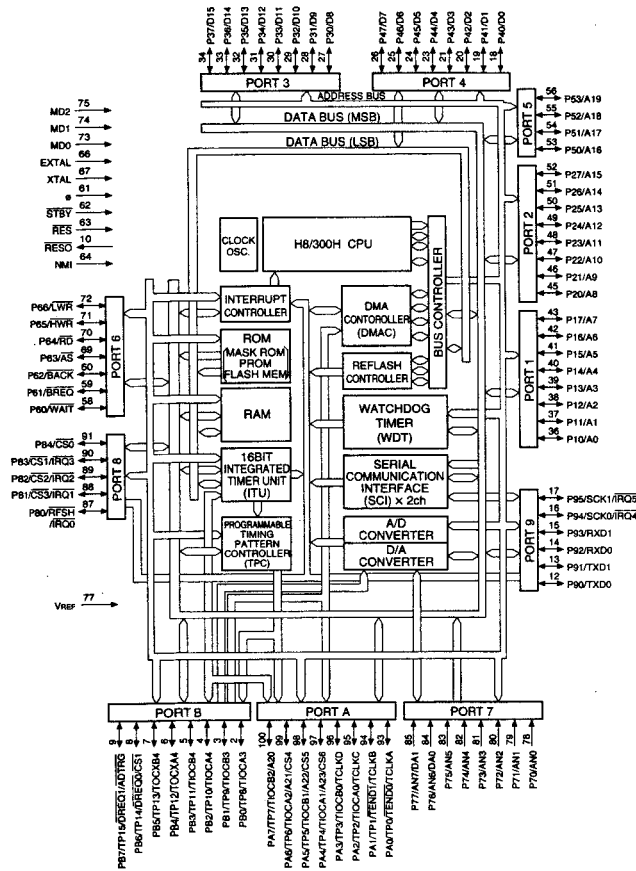
D0 - D15 : DATA BUS
 P10 - P17 : PORT 1
 P20 - P27 : PORT 2
 P30 - P37 : PORT 3
 P40 - P47 : PORT 4
 P50 - P53 : PORT 5
 P60 - P66 : PORT 6
 P70 - P77 : PORT 7
 P80 - P84 : PORT 8
 P90 - P95 : PORT 9
 PA0 - PA7 : PORT A
 PB0 - PB7 : PORT B
 SCK0, SCK1 : SERIAL CLOCK
 TIOCA0 - TIOCA4 : INPUT CAPTURE/OUTPUT COMPARE A0 - A4
 TIOCB0 - TIOCB4 : INPUT CAPTURE/OUTPUT COMPARE B0 - B4

72	P80/LWR	71	P80/HWR	70	P80/AS	69	P80/RD	68	P80/CS0	67	P80/CS1	66	P80/CS2	65	P80/CS3	64	P80/CS4	63	P80/CS5	62	P80/CS6	61	P80/CS7	60	P80/CS8	59	P80/CS9	58	P80/CS10	57	P80/CS11	56	P80/CS12	55	P80/CS13	54	P80/CS14	53	P80/CS15	52	P80/CS16	51	P80/CS17	50	P80/CS18	49	P80/CS19	48	P80/CS20	47	P80/CS21	46	P80/CS22	45	P80/CS23	44	P80/CS24	43	P80/CS25	42	P80/CS26	41	P80/CS27	40	P80/CS28	39	P80/CS29	38	P80/CS30	37	P80/CS31	36	P80/CS32	35	P80/CS33	34	P80/CS34	33	P80/CS35	32	P80/CS36	31	P80/CS37	30	P80/CS38	29	P80/CS39	28	P80/CS40	27	P80/CS41	26	P80/CS42	25	P80/CS43	24	P80/CS44	23	P80/CS45	22	P80/CS46	21	P80/CS47	20	P80/CS48	19	P80/CS49	18	P80/CS50	17	P80/CS51	16	P80/CS52	15	P80/CS53	14	P80/CS54	13	P80/CS55	12	P80/CS56	11	P80/CS57	10	P80/CS58	9	P80/CS59	8	P80/CS60	7	P80/CS61	6	P80/CS62	5	P80/CS63	4	P80/CS64	3	P80/CS65	2	P80/CS66	1	P80/CS67	0	P80/CS68	72	P80/CS69	71	P80/CS70	70	P80/CS71	69	P80/CS72	68	P80/CS73	67	P80/CS74	66	P80/CS75	65	P80/CS76	64	P80/CS77	63	P80/CS78	62	P80/CS79	61	P80/CS80	60	P80/CS81	59	P80/CS82	58	P80/CS83	57	P80/CS84	56	P80/CS85	55	P80/CS86	54	P80/CS87	53	P80/CS88	52	P80/CS89	51	P80/CS90	50	P80/CS91	49	P80/CS92	48	P80/CS93	47	P80/CS94	46	P80/CS95	45	P80/CS96	44	P80/CS97	43	P80/CS98	42	P80/CS99	41	P80/CS100	40	P80/CS101	39	P80/CS102	38	P80/CS103	37	P80/CS104	36	P80/CS105	35	P80/CS106	34	P80/CS107	33	P80/CS108	32	P80/CS109	31	P80/CS110	30	P80/CS111	29	P80/CS112	28	P80/CS113	27	P80/CS114	26	P80/CS115	25	P80/CS116	24	P80/CS117	23	P80/CS118	22	P80/CS119	21	P80/CS120	20	P80/CS121	19	P80/CS122	18	P80/CS123	17	P80/CS124	16	P80/CS125	15	P80/CS126	14	P80/CS127	13	P80/CS128	12	P80/CS129	11	P80/CS130	10	P80/CS131	9	P80/CS132	8	P80/CS133	7	P80/CS134	6	P80/CS135	5	P80/CS136	4	P80/CS137	3	P80/CS138	2	P80/CS139	1	P80/CS140	0	P80/CS141	72	P80/CS142	71	P80/CS143	70	P80/CS144	69	P80/CS145	68	P80/CS146	67	P80/CS147	66	P80/CS148	65	P80/CS149	64	P80/CS150	63	P80/CS151	62	P80/CS152	61	P80/CS153	60	P80/CS154	59	P80/CS155	58	P80/CS156	57	P80/CS157	56	P80/CS158	55	P80/CS159	54	P80/CS160	53	P80/CS161	52	P80/CS162	51	P80/CS163	50	P80/CS164	49	P80/CS165	48	P80/CS166	47	P80/CS167	46	P80/CS168	45	P80/CS169	44	P80/CS170	43	P80/CS171	42	P80/CS172	41	P80/CS173	40	P80/CS174	39	P80/CS175	38	P80/CS176	37	P80/CS177	36	P80/CS178	35	P80/CS179	34	P80/CS180	33	P80/CS181	32	P80/CS182	31	P80/CS183	30	P80/CS184	29	P80/CS185	28	P80/CS186	27	P80/CS187	26	P80/CS188	25	P80/CS189	24	P80/CS190	23	P80/CS191	22	P80/CS192	21	P80/CS193	20	P80/CS194	19	P80/CS195	18	P80/CS196	17	P80/CS197	16	P80/CS198	15	P80/CS199	14	P80/CS200	13	P80/CS201	12	P80/CS202	11	P80/CS203	10	P80/CS204	9	P80/CS205	8	P80/CS206	7	P80/CS207	6	P80/CS208	5	P80/CS209	4	P80/CS210	3	P80/CS211	2	P80/CS212	1	P80/CS213	0	P80/CS214	72	P80/CS215	71	P80/CS216	70	P80/CS217	69	P80/CS218	68	P80/CS219	67	P80/CS220	66	P80/CS221	65	P80/CS222	64	P80/CS223	63	P80/CS224	62	P80/CS225	61	P80/CS226	60	P80/CS227	59	P80/CS228	58	P80/CS229	57	P80/CS230	56	P80/CS231	55	P80/CS232	54	P80/CS233	53	P80/CS234	52	P80/CS235	51	P80/CS236	50	P80/CS237	49	P80/CS238	48	P80/CS239	47	P80/CS240	46	P80/CS241	45	P80/CS242	44	P80/CS243	43	P80/CS244	42	P80/CS245	41	P80/CS246	40	P80/CS247	39	P80/CS248	38	P80/CS249	37	P80/CS250	36	P80/CS251	35	P80/CS252	34	P80/CS253	33	P80/CS254	32	P80/CS255	31	P80/CS256	30	P80/CS257	29	P80/CS258	28	P80/CS259	27	P80/CS260	26	P80/CS261	25	P80/CS262	24	P80/CS263	23	P80/CS264	22	P80/CS265	21	P80/CS266	20	P80/CS267	19	P80/CS268	18	P80/CS269	17	P80/CS270	16	P80/CS271	15	P80/CS272	14	P80/CS273	13	P80/CS274	12	P80/CS275	11	P80/CS276	10	P80/CS277	9	P80/CS278	8	P80/CS279	7	P80/CS280	6	P80/CS281	5	P80/CS282	4	P80/CS283	3	P80/CS284	2	P80/CS285	1	P80/CS286	0	P80/CS287	72	P80/CS288	71	P80/CS289	70	P80/CS290	69	P80/CS291	68	P80/CS292	67	P80/CS293	66	P80/CS294	65	P80/CS295	64	P80/CS296	63	P80/CS297	62	P80/CS298	61	P80/CS299	60	P80/CS300	59	P80/CS301	58	P80/CS302	57	P80/CS303	56	P80/CS304	55	P80/CS305	54	P80/CS306	53	P80/CS307	52	P80/CS308	51	P80/CS309	50	P80/CS310	49	P80/CS311	48	P80/CS312	47	P80/CS313	46	P80/CS314	45	P80/CS315	44	P80/CS316	43	P80/CS317	42	P80/CS318	41	P80/CS319	40	P80/CS320	39	P80/CS321	38	P80/CS322	37	P80/CS323	36	P80/CS324	35	P80/CS325	34	P80/CS326	33	P80/CS327	32	P80/CS328	31	P80/CS329	30	P80/CS330	29	P80/CS331	28	P80/CS332	27	P80/CS333	26	P80/CS334	25	P80/CS335	24	P80/CS336	23	P80/CS337	22	P80/CS338	21	P80/CS339	20	P80/CS340	19	P80/CS341	18	P80/CS342	17	P80/CS343	16	P80/CS344	15	P80/CS345	14	P80/CS346	13	P80/CS347	12	P80/CS348	11	P80/CS349	10	P80/CS350	9	P80/CS351	8	P80/CS352	7	P80/CS353	6	P80/CS354	5	P80/CS355	4	P80/CS356	3	P80/CS357	2	P80/CS358	1	P80/CS359	0	P80/CS360	72	P80/CS361	71	P80/CS362	70	P80/CS363	69	P80/CS364	68	P80/CS365	67	P80/CS366	66	P80/CS367	65	P80/CS368	64	P80/CS369	63	P80/CS370	62	P80/CS371	61	P80/CS372	60	P80/CS373	59	P80/CS374	58	P80/CS375	57	P80/CS376	56	P80/CS377	55	P80/CS378	54	P80/CS379	53	P80/CS380	52	P80/CS381	51	P80/CS382	50	P80/CS383	49	P80/CS384	48	P80/CS385	47	P80/CS386	46	P80/CS387	45	P80/CS388	44	P80/CS389	43	P80/CS390	42	P80/CS391	41	P80/CS392	40	P80/CS393	39	P80/CS394	38	P80/CS395	37	P80/CS396	36	P80/CS397	35	P80/CS398	34	P80/CS399	33	P80/CS400	32	P80/CS401	31	P80/CS402	30	P80/CS403	29	P80/CS404	28	P80/CS405	27	P80/CS406	26	P80/CS407	25	P80/CS408	24	P80/CS409	23	P80/CS410	22	P80/CS411	21	P80/CS412	20	P80/CS413	19	P80/CS414	18	P80/CS415	17	P80/CS416	16	P80/CS417	15	P80/CS418	14	P80/CS419	13	P80/CS420	12	P80/CS421	11	P80/CS422	10	P80/CS423	9	P80/CS424	8	P80/CS425	7	P80/CS426	6	P80/CS427	5	P80/CS428	4	P80/CS429	3	P80/CS430	2	P80/CS431	1	P80/CS432	0	P80/CS433	72	P80/CS434	71	P80/CS435	70	P80/CS436	69	P80/CS437	68	P80/CS438	67	P80/CS439	66	P80/CS440	65	P80/CS441	64	P80/CS442	63	P80/CS443	62	P80/CS444	61	P80/CS445	60	P80/CS446	59	P80/CS447	58	P80/CS448	57	P80/CS449	56	P80/CS450	55	P80/CS451	54	P80/CS452	53	P80/CS453	52	P80/CS454	51	P80/CS455	50	P80/CS456	49	P80/CS457	48	P80/CS458	47	P80/CS459	46	P80/CS460	45	P80/CS461	44	P80/CS462	43	P80/CS463	42	P80/CS464	41	P80/CS465	40	P80/CS466
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IDT71V256SA15PZ-TL (IDT)

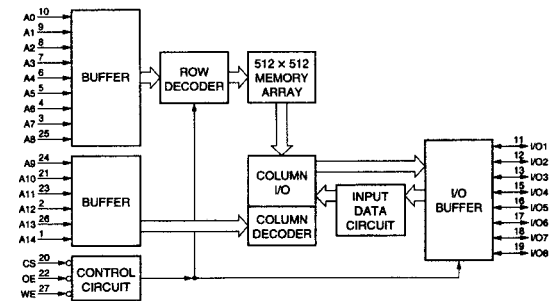
C-MOS 256 K (32 K × 8)-BIT SRAM

—TOP VIEW—



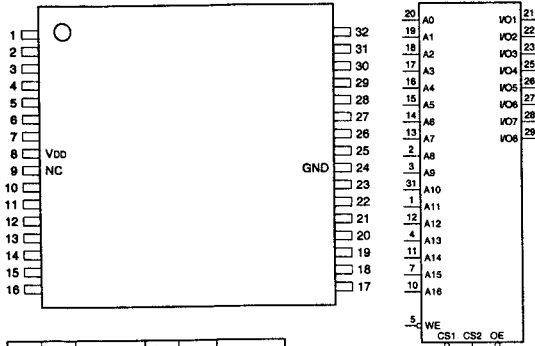
CS	OE	WE	OUTPUTS	FUNCTION
1	x	x	HI-Z	NO SELECTION
0	1	1	HI-Z	OUTPUT DISABLE
0	0	1	DOUT	READ
0	x	0	DIN	WRITE

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE
HI-Z : HIGH IMPEDANCE

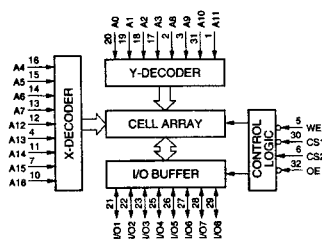


KM68FV1000T-7 (SAMSUNG)

C-MOS 128 K (131,072 × 8)-BIT SRAM
—TOP VIEW—

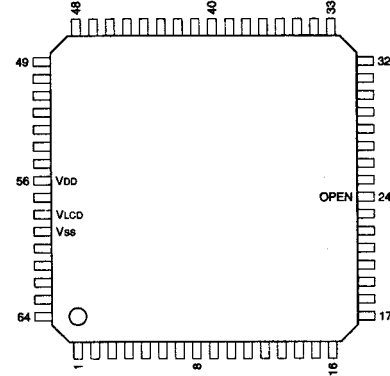


PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	A11	17	I	A3
2	I	A8	18	I	A2
3	I	A9	19	I	A1
4	I	A13	20	I	A0
5	I	WE	21	I/O	IO1
6	I	CS2	22	I/O	IO2
7	I	A15	23	I/O	IO3
8	—	VDD	24	—	GND
9	—	NC	25	I/O	IO4
10	I	A16	26	I/O	IO5
11	I	A14	27	I/O	IO6
12	I	A12	28	I/O	IO7
13	I	A7	29	I/O	IO8
14	I	A6	30	I	CS1
15	I	A5	31	I	A10
16	I	A4	32	I	OE



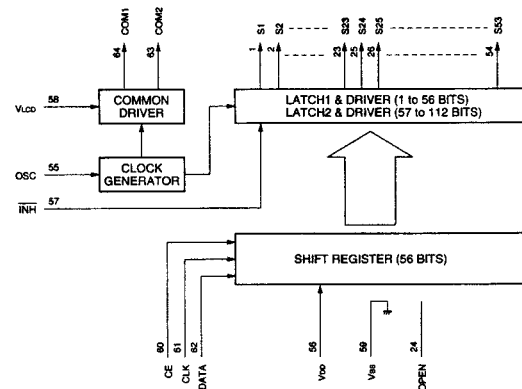
LC75821W-DS (SANYO)

LCD DRIVER
—TOP VIEW—



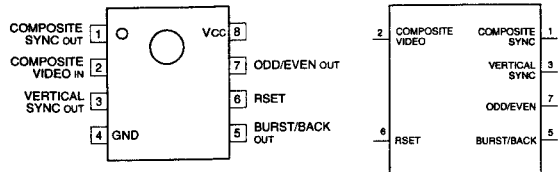
INPUT
CE : CHIP ENABLE
CLK : CLOCK
DATA : SERIAL DATA
INH : DISPLAY INHIBIT
OSC : OSCILLATOR

OUTPUT
COM1, 2 : COMMON OUTPUT
INPUT/OUTPUT
S1 - S33 : SEGMENT OUTPUT

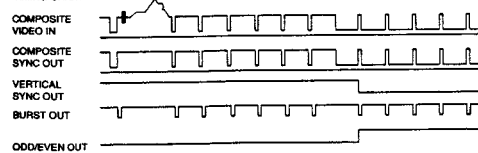


LM1881M (NS) LM1881MX

VIDEO SYNC SEPARATOR
—TOP VIEW—

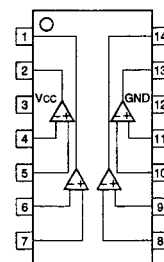


TIMING CHART



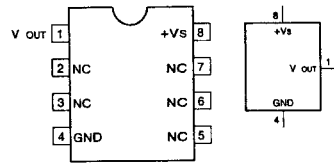
LM2901M (MOTOROLA) NJM2901M-TE2 NJM2901V(TE2) (JRC)

SINGLE SUPPLY COMPARATOR
—TOP VIEW—



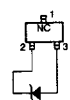
LM35DM (NS)
LM35DMX

TEMPERATURE SENSOR
—TOP VIEW—



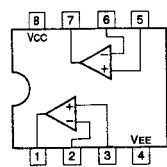
LM4040AIM3-2.5 (NS)

PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE
—TOP VIEW—



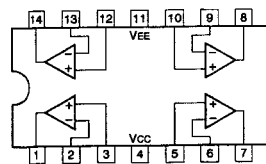
LT1253CS8-E2 (LINEAR TECH)

DUAL VIDEO AMPLIFIER
—TOP VIEW—



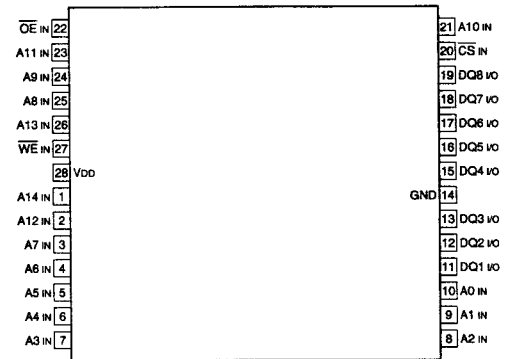
LT1254CS-E2 (LINEAR TECH)

QUAD VIDEO AMPLIFIER
—TOP VIEW—



M5M5256CVP-10VXL
M5M5256CVP10VXV (IDT)

C-MOS 256 K (32,768 × 8)-BIT SRAM
—TOP VIEW—

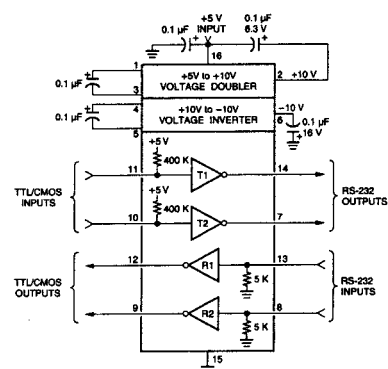
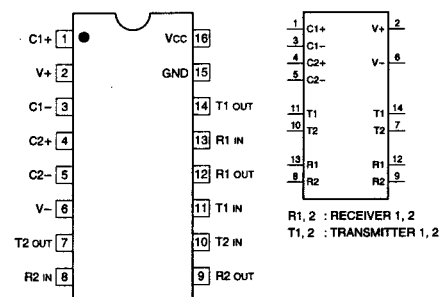


INPUT
A0 - A14 : ADDRESS
CS : CHIP SELECT
OE : OUTPUT ENABLE
WE : WRITE ENABLE

INPUT/OUTPUT
DQ1 - DQ8 : DATA

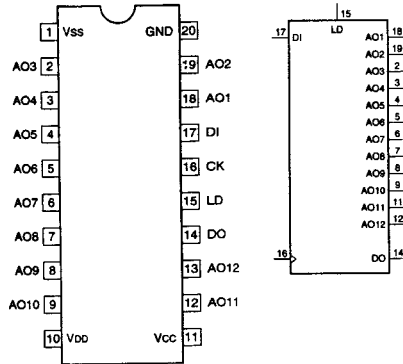
MAX202CSE (MAXIM)
MAX202CSE-T

RS-232 TRANSMITTER/RECEIVER
—TOP VIEW—

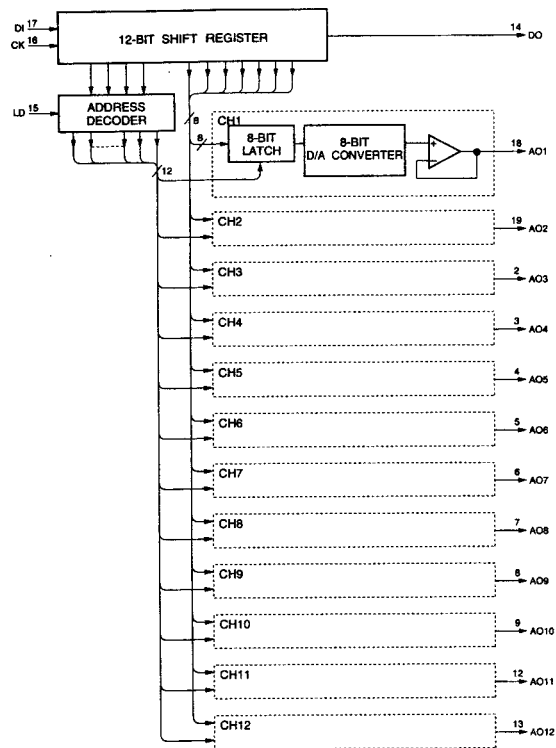


M62352GP (MITSUBISHI)
M62352GP-75ED

C-MOS 8-BIT x 12-CHANNEL D/A CONVERTER
(WITH BUFFER OPERATIONAL AMPLIFIER)
—TOP VIEW—

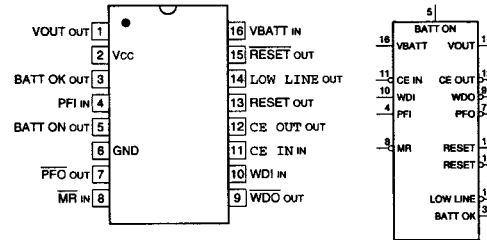


AO1 - AO12 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT



MAX793SCSE (MAXIM)

PRECISION SUPPLY-VOLTAGE MONITOR
—TOP VIEW—

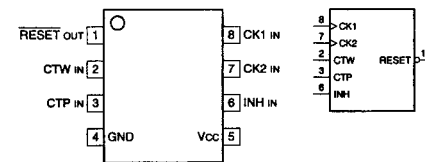


INPUT
CE IN : CHIP ENABLE
MR : MANUAL RESET
PFI : POWER FAIL COMPARETOR
VBATT : BACKUP BATTERY
WDI : WATCH DOG

OUTPUT
BATT OK : BATTERY OK MONITOR
BATT ON : BACKUP BATTERY SWITCHING
CE OUT : CHIP ENABLE
LOW LINE : LOW POWER LINE
PFO : POWER FAIL
RESET : RESET HIGH
RESET : RESET LOW
VOUT : VOLTAGE MONITOR
WDO : WATCH DOG FAIL

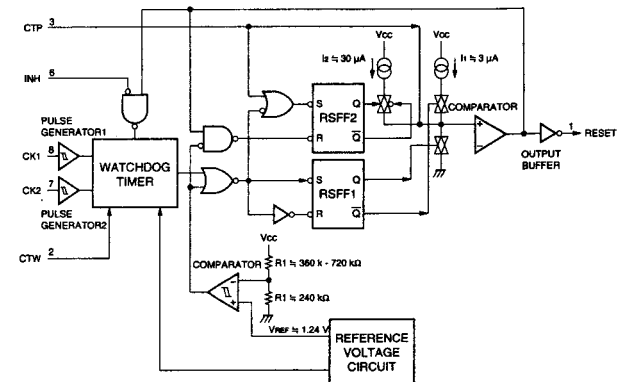
MB3793-30PNF-ER (FUJITSU)

BIPOLA SOURCE VOLTAGE SUPERVISOR
—TOP VIEW—



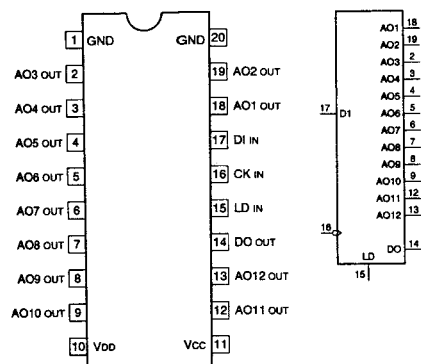
INPUT
CK1 : CLOCK 1
CK2 : CLOCK 2
CTP : POWER ON RESET HOLD TIME PRESET
CTW : WATCHDOG TIMER SUPERVISION TIME PRESET
INH : INHIBIT

OUTPUT
RESET : RESET

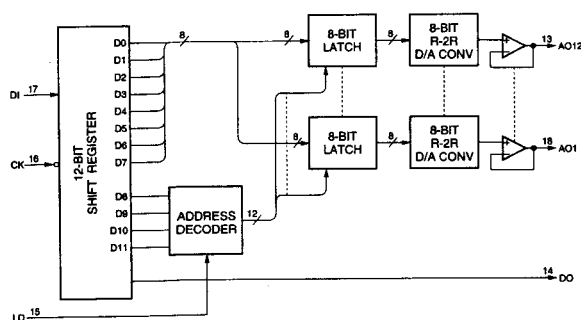


MB88346BPFV (FUJITSU)
MB88346BPFV-EF

C-MOS 8-BIT D/A CONVERTER
—TOP VIEW—

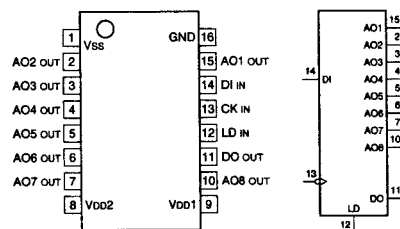


AO1 - AO12 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT
LD : DATA LOAD CONTROL INPUT (H : LOAD)

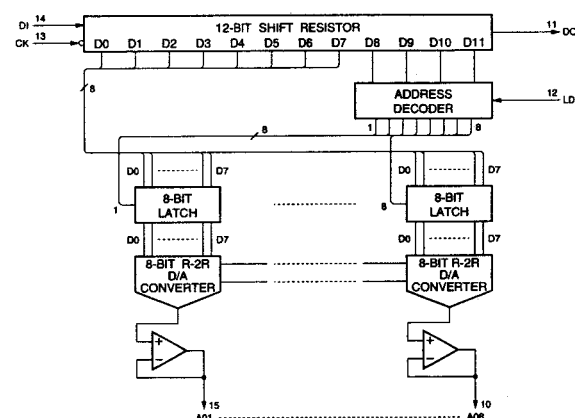


MB88347LPFV-ER (FUJITSU)

C-MOS D/A CONVERTER FOR DIGITAL TUNING
—TOP VIEW—

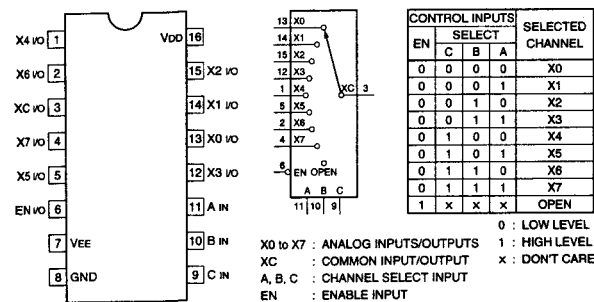


AO1 - AO8 : 8-BIT D/A OUTPUTS
CLK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT
LD : DATA LOAD CONTROL INPUT (H : LOAD)



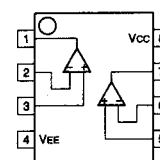
MC14051BF (MOTOROLA)
TC4051BFT(EL,N)

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULPLEXER
—TOP VIEW—



NJM062V(Te2) (JRC)
NJM2041M-D (JRC)
NJM2041M-D(Te2)
NJM4558V-TE2 (JRC)
NJM4560M (JRC)
NJM4560M-TE2
NJM4560MD (JRC)
NJM4560MD-TE2
NJM4580E(Te2) (JRC)
NJM4580V(Te2)
NJM4580V-TE2 (JRC)
TL062CPW (TI)
TL062CPWR
TL082CPW-E05 (TI)
UPC812G2 (NEC)
UPC812G2-E2

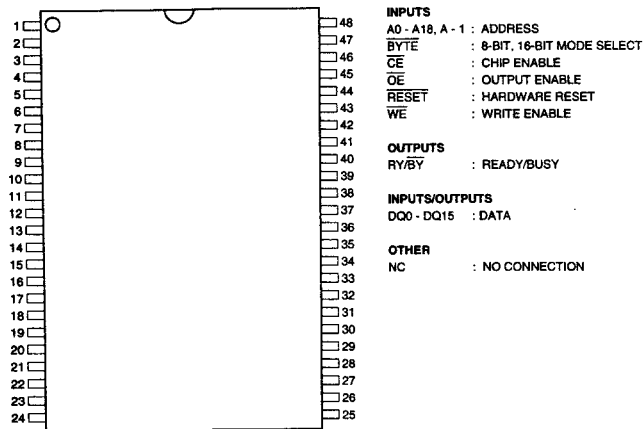
DUAL OPERATIONAL AMPLIFIERS
(DUAL-SUPPLY TYPE)
—TOP VIEW—



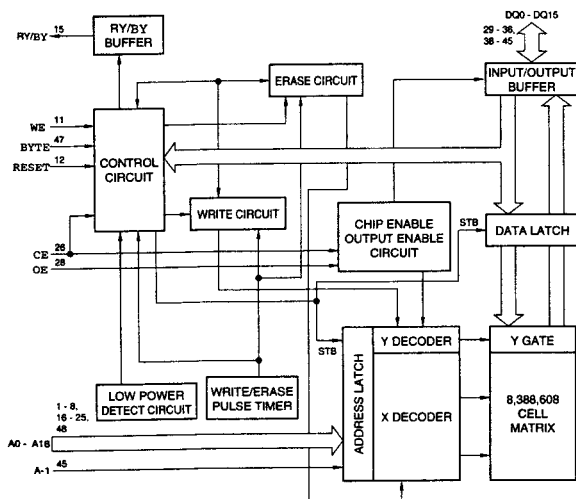
MBM29F800BA-90PF (FUJITSU)
MBM29F800BA-DSR500WSV1.00

8 M (1,048,576 × 8/524,288 × 16)-BIT FLASH MEMORY

—TOP VIEW—



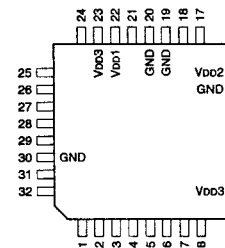
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	A15	13	—	NC	25	I	A0	37	—	Vcc
2	I	A14	14	—	NC	26	I	CE	38	I/O	DQ4
3	I	A13	15	O	RY/BY	27	—	VEE	39	I/O	DQ12
4	I	A12	16	I	A18	28	I	OE	40	I/O	DQ5
5	I	A11	17	I	A17	29	I/O	DQ0	41	I/O	DQ13
6	I	A10	18	I	A7	30	I/O	DQ8	42	I/O	DQ6
7	I	A9	19	I	A6	31	I/O	DQ1	43	I/O	DQ14
8	I	A8	20	I	A5	32	I/O	DQ9	44	I/O	DQ7
9	—	NC	21	I	A4	33	I/O	DQ2	45	I/O	DQ15/A-1
10	—	NC	22	I	A3	34	I/O	DQ10	46	—	VEE
11	I	WE	23	I	A2	35	I/O	DQ3	47	I	BYTE
12	I	RESET	24	I	A1	36	I/O	DQ11	48	I	A18



MC68HC68VBIFB (MOTOROLA)

C-MOS 8-BIT MICRO CONTROLLER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	AD0/SCLK	9	—	VDD3	17	I	SYNC	25	I/O	PLLTD
2	I/O	AD1/SDATA	10	I	SDI/AS	18	I	VDATA	26	I	TEST
3	I/O	AD2/SWIN	11	I/O	SDO/RW	19	—	GND	27	I	PAR/SER
4	I/O	AD3	12	I	SCK/E	20	—	GND	28	I	RESET
5	I/O	AD4	13	I	CS	21	I	XFC	29	O	BUSY
6	I/O	AD5	14	I	CSA	22	—	VDD1	30	—	GND
7	I/O	AD6	15	—	GND	23	—	VDD3	31	I	OSC1
8	I/O	AD7	16	—	VDD2	24	I/O	PLLTA	32	O	OSC2

INPUT

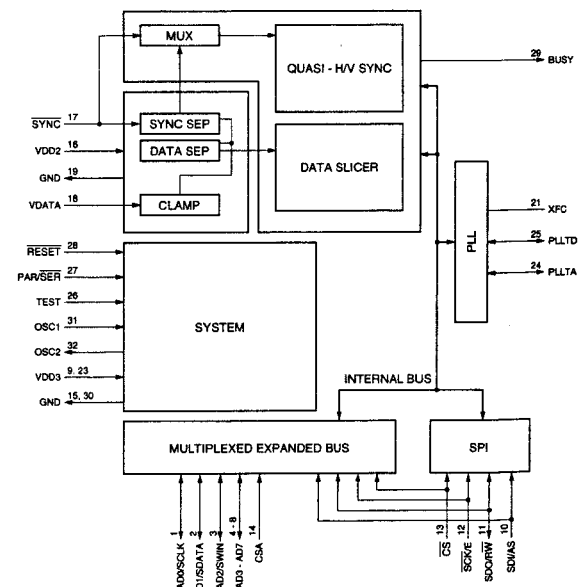
AD0 - AD7 : ADDRESS/DATA BUS
AS : EXPANDED INTERFACE ADDRESS STROBE
CS : CHIP SELECT
CSA : ALTERNATE CHIP SELECT
E : EXTERNAL PULL-UP RESISTOR CONNECTION
OSC1 : OSCILLATOR
PAR/SER : EXPANDED INTERFACE/SERIAL COMMUNICATION INTERFACE
RESET : RESET
SCK : CLOCK
SDI : SERIAL COMMUNICATION DATA
SYNC : SYNCHRONIZATION SIGNAL
TEST : (FOR TEST)
VDATA : VIDEO SIGNAL
XFC : EXTERNAL PASSIVE COMPONENTS CONNECTION

OUTPUT

BUSY : EXTRACTION REGISTER BUSY
OSC2 : OSCILLATOR
SCLK : DATA SLICER SAMPLING CLOCK
SDATA : DATA SLICER SAMPLED DATA
SDO : SERIAL COMMUNICATION DATA
SWIN : DATA SLICER WINDOW

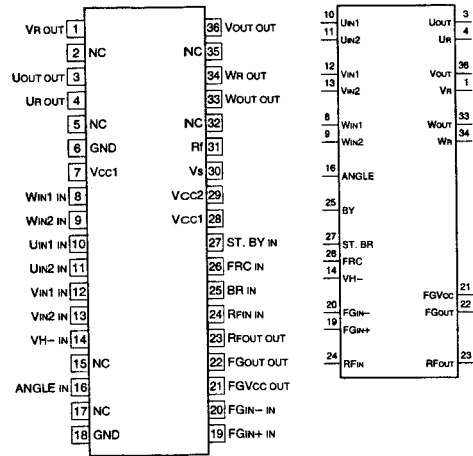
INPUT/OUTPUT

PLLTA : ANALOG TEST FOR THE EXTRACTION MODULE PLL
PL LTD : DIGITAL TEST FOR THE EXTRACTION MODULE PLL
RW : MEMORY READ/WRITE



MCD005AM-TLM (SANYO)

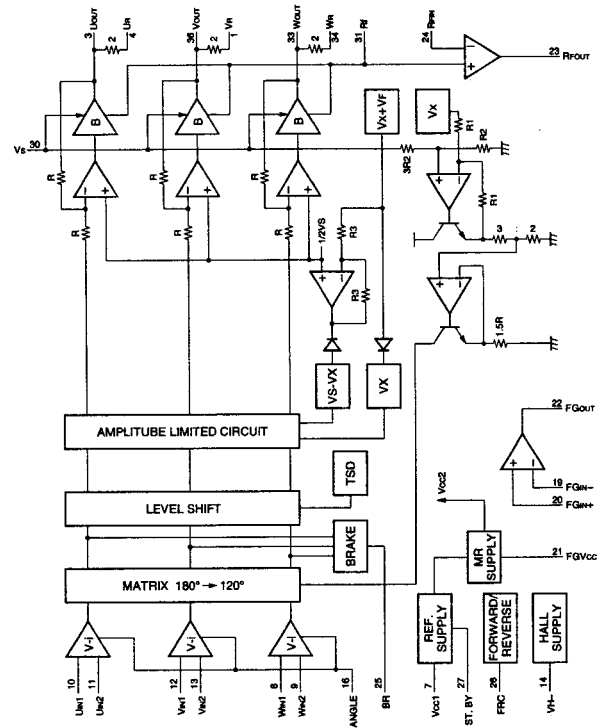
THREE-PHASE BRUSHLESS MOTOR DRIVER FOR 8 MM VCR CAPSTAN MOTOR
—TOP VIEW—



- | | |
|-----------------------------------|-------------------------------|
| INPUT | OUTPUT |
| ANGLE : GAIN SLOPE | FGOUT : FG COMPARATOR |
| BR : BRAKE CONTROL | FGVCC : INTERNAL FG POWER |
| FGIN-, FGIN+ : FG SIGNAL | RFOUT : RF VOLTAGE DETECT AMP |
| FRC : FORWARD/REVERSE CONTROL | UOUT : U PHASE |
| RFIN : RF VOLTAGE DETECT AMP | VR : V PHASE (2 Ω RESISTOR) |
| ST. BY : MOTOR DRIVE MUTE | WOUT : W PHASE |
| UIN1, UIN2 : U PHASE HALL ELEMENT | WR : W PHASE (2 Ω RESISTOR) |
| VIN1, VIN2 : V PHASE HALL ELEMENT | |
| VH- : HALL BIAS CURRENT | |
| WIN1, WIN2 : W PHASE HALL ELEMENT | |

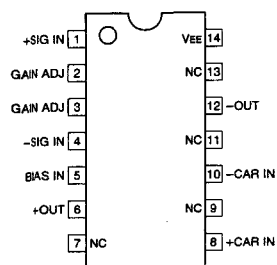
	SOURCE SINK		INPUT			FORWARD/REVERSE CONTROL F/R
	U	V	W			
1	W → V	1	1	0	0	
	V → W	1	0	0	1	
2	W → U	1	0	0	0	
	U → W	1	0	0	1	
3	V → W	0	0	1	0	
	W → V	0	0	1	1	
4	U → V	0	1	0	0	
	V → U	0	1	0	1	
5	V → U	1	0	1	0	
	U → V	1	0	1	1	
6	U → W	0	1	1	0	
	W → U	0	1	1	1	

0 : LOW LEVEL
1 : HIGH LEVEL



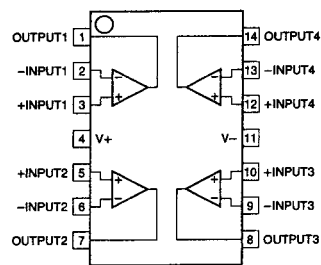
NJM1496V-TE2 (JRC)

BALANCED MODULATOR/DEMODULATOR
—TOP VIEW—



NJM2060V(Te2) (JRC)

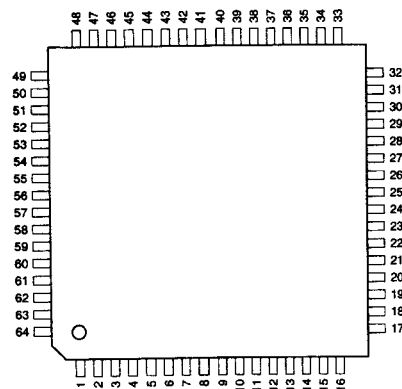
DUAL OPERATIONAL AMPLIFIER
—TOP VIEW—



MSM7661BGS-BK-R1 (OKI)

DIGITAL VIDEO NTSC/PAL DECODER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	CD0	17	—	Vcc	33	O	Y7	49	—	Vcc
2	I	CD1	18	—	GND	34	O	Y6	50	—	GND
3	I	CD2	19	I	SCL	35	O	Y5	51	O	ODD
4	I	CD3	20	I/O	SDA	36	O	Y4	52	O	VVALID
5	I	CD4	21	I	MODE0	37	O	Y3	53	O	HVALID
6	I	CD5	22	I	MODE1	38	O	Y2	54	O	VS L
7	I	CD6	23	I	MODE2	39	O	Y1	55	O	HS L
8	I	CD7	24	I	MODE3	40	O	Y0	56	O	CLKO
9	I	CVBS0	25	I	RESET L	41	O	C7	57	O	SYSEL
10	I	CVBS1	26	I	PLLSEL	42	O	C6	58	O	CLKX2O
11	I	CVBS2	27	I	CLKSEL	43	O	C5	59	O	VCO CP
12	I	CVBS3	28	I	TEST1	44	O	C4	60	I/O	SYNC
13	I	CVBS4	29	I	SLEEP	45	O	C3	61	O	HSY
14	I	CVBS5	30	I	TE	46	O	C2	62	I	CLKX2
15	I	CVBS6	31	—	GND	47	O	C1	63	—	GND
16	I	CVBS7	32	—	Vcc	48	O	C0	64	—	Vcc

INPUTS

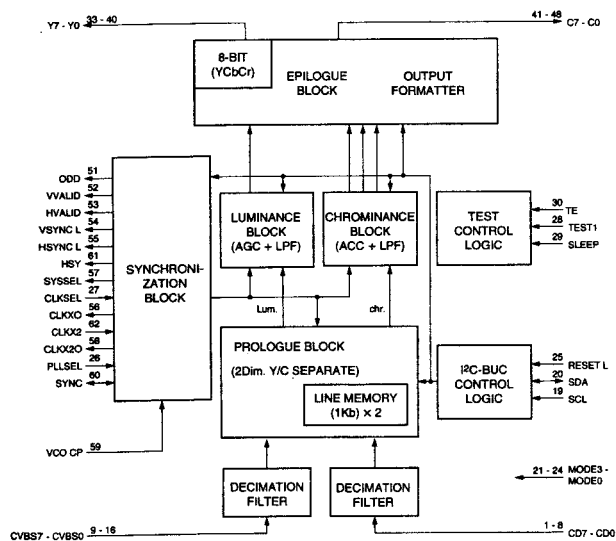
CD0 - CD7 : CHROMINANCE SIGNAL
 CLKSEL : CLOCK SELECT
 CLKX2 : CLOCK
 CVBS0 - CVBS7 : COMPOSITE SIGNAL
 MODE0 - MODE3 : MODE SELECT
 PLLSEL : (NOT IN USE)
 RESET L : SYSTEM RESET (ACTIVE L)
 SCL : I²C BUS CLOCK
 SLEEP : SLEEP MODE
 TE : TEST
 TEST1 : TEST

OUTPUTS

C0 - C7 : CHROMA SIGNAL
 CLKX2O : CLOCK
 CLKXO : INTERNAL CLOCK PULSE
 HSY : A/D CONVERTER CLAMP TIMING SIGNAL
 HSY L : H SYNC
 HVALID : H EFFECTIVE PICTURE ELEMENT TIMING
 ODD : FIELD DISPLAY
 SYSEL : SYSTEM SELECT
 VCO CP : (NOT IN USE)
 VS L : V SYNC
 VVALID : V EFFECTIVE LINES TIMING
 Y0 - Y7 : COLOR DIFFERENCE SIGNAL

INPUTS/OUTPUTS

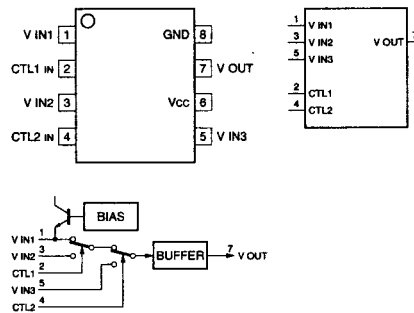
SDA : I²C BUS DATA
 SYNC : COMPOSITE SYNC SIGNAL



NJM2249V(Te2) (JRC)

VIDEO SWITCHER

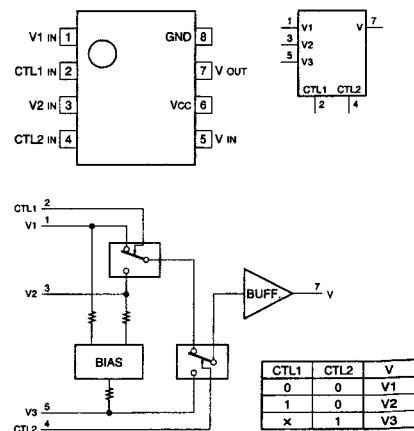
—TOP VIEW—



NJM2534V(Te2) (JRC)

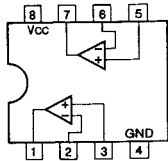
3-INPUT VIDEO SIGNAL SWITCH

—TOP VIEW—

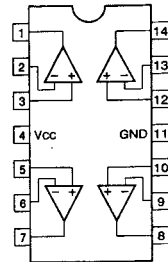


NJM2903M (JRC)
 NJM2903M-TE2
 NJM2903V(Te2) (JRC)

DUAL VOLTAGE COMPARATORS
 —TOP VIEW—

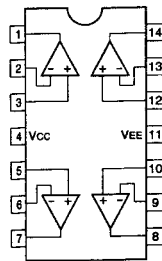


NJM324V(Te2) (JRC)
 OPERATIONAL AMPLIFIER
 —TOP VIEW—

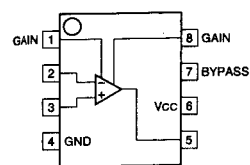


NJM3403AM (JRC)
 NJM3403AM(Te2)

QUAD OPERATIONAL AMPLIFIER
 —TOP VIEW—

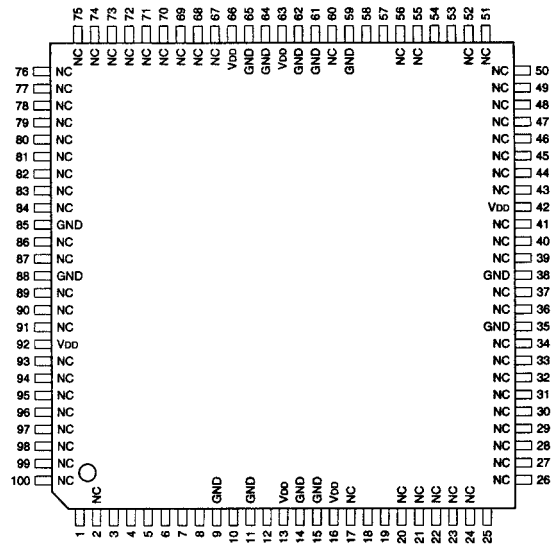


NJM386M(Te2) (JRC)
 AUDIO POWER AMPLIFIER
 —TOP VIEW—



QL12X16B-XPFI00C

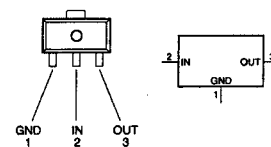
C-MOS FIELD PROGRAMMABLE GATE ARRAY
 —TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	CLR	26	—	NC	51	—	NC	76	—	NC
2	—	NC	27	—	NC	52	—	NC	77	—	NC
3	I/O	PAL NTSC	28	—	NC	53	I/O	BLKG	78	—	NC
4	I/O	FULL NORMAL	29	—	NC	54	I/O	XBKLG	79	—	NC
5	I/O	CLKSEL	30	—	NC	55	—	NC	80	—	NC
6	I/O	CLK2IN	31	—	NC	56	—	NC	81	—	NC
7	I/O	CLK2OUT	32	—	NC	57	I/O	WIDE ID	82	—	NC
8	I/O	CLK1IN	33	—	NC	58	I/O	XWIDE ID	83	—	NC
9	—	GND	34	—	NC	59	—	GND	84	—	NC
10	I/O	CLK1 2OUT	35	—	GND	60	—	NC	85	—	GND
11	—	GND	36	—	NC	61	—	GND	86	—	NC
12	I	CLK	37	—	NC	62	—	GND	87	—	NC
13	—	VDD	38	—	GND	63	—	VDD	88	—	GND
14	—	GND	39	—	NC	64	—	GND	89	—	NC
15	—	GND	40	—	NC	65	—	GND	90	—	NC
16	—	VDD	41	—	NC	66	—	VDD	91	—	NC
17	—	NC	42	—	VDD	67	—	NC	92	—	VDD
18	I/O	HDIN	43	—	NC	68	—	NC	93	—	NC
19	I/O	VDIN	44	—	NC	69	—	NC	94	—	NC
20	—	NC	45	—	NC	70	—	NC	95	—	NC
21	—	NC	46	—	NC	71	—	NC	96	—	NC
22	—	NC	47	—	NC	72	—	NC	97	—	NC
23	—	NC	48	—	NC	73	—	NC	98	—	NC
24	—	NC	49	—	NC	74	—	NC	99	—	NC
25	I/O	MODE FULL	50	—	NC	75	—	NC	100	—	NC

RH5RL33AA-T1 (RICOH)+3.3V(150mA)
 RH5RL50AA-T1 (RICOH)+5V(150mA)

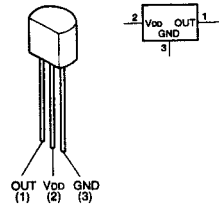
C-MOS POSITIVE VOLTAGE REGULATOR
 —SIDE VIEW—



S-80741AL-A5-S (SEIKO I&E) 4.00—4.20V
S-80741AL-A5-T1

C-MOS VOLTAGE DETECTOR

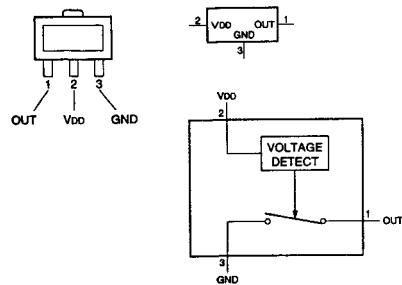
—TOP VIEW—



S-80745AN-D9-S (SEIKO I&E) 3.80—4.20V
S-80750AN-JE-T1
S-80840ANUP-ED4-T2 (SEIKO I&E) 3.92—4.08V

C-MOS VOLTAGE DETECTOR WITH N-CHANNEL OPEN DRAIN OUTPUT

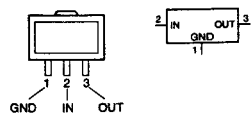
—TOP VIEW—



S-81230SGUP-DQB-T1 (SEIKO I&E)

THREE TERMINAL POSITIVE VOLTAGE REGULATOR

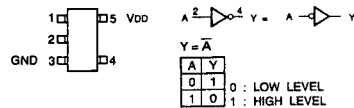
—TOP VIEW—



SC7S04F (MOTOROLA)
TC4S69F (TOSHIBA)
TC4S69F (TE85R)
TC7S04F (TE85R)
TC7S04FU (TE85R) (TOSHIBA)
TC7SH04FU (TOSHIBA)
TC7SH04FU-TE85R

C-MOS INVERTER

—TOP VIEW—



SC7S32F (MOTOROLA)

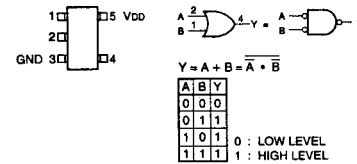
TC7S32F (TE85R)

TC7S32FU (TE85R) (TOSHIBA)

TC7SH32FU-TE85R (TOSHIBA)

C-MOS 2-INPUT OR GATE

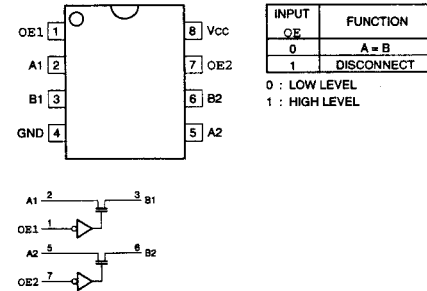
—TOP VIEW—



SN74CBT3306PWR (TI)

DUAL FET BUS SWITCH

—TOP VIEW—

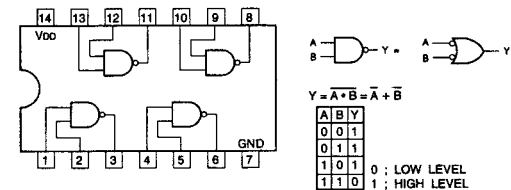


SN74HC00APW-E05

SN74HC00APW-E20 (TI)

C-MOS QUAD 2-INPUT NAND GATES

—TOP VIEW—



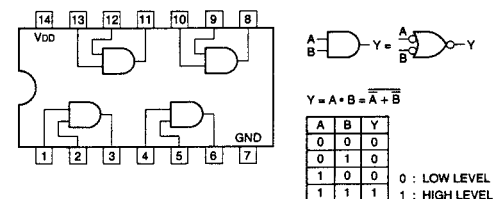
SN74HC08APW-E05 (TI)

SN74HCT08APW-E05

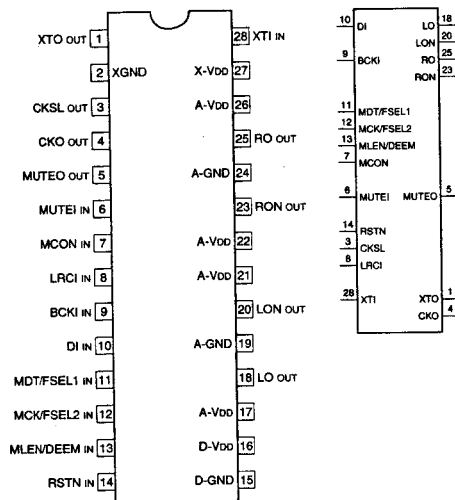
SN74HCT08APW-E20 (TI)

C-MOS QUAD 2-INPUT AND GATES

—TOP VIEW—



SM5872AS-ET (NPC)

C-MOS 2-CHANNEL D/A CONVERTER FOR DIGITAL AUDIO
—TOP VIEW—

AVDD, AGND : ANALOG
DVDD, DGND : DIGITAL
XVDD, XGND : FOR CRYSTAL OSCILLATOR

INPUT

BCKI : BIT CLOCK
CKSL : SYSTEM CLOCK SELECT (L : 256 fs/H : 512 fs)
DI : DATA
LRCl : SAMPLE RATE (fs) CLOCK (L : R-CH/H : L-CH)
MCK/FSEL2 : MCON = H : MICROCOMPUTER INTERFACE CLOCK
MCON = L : FILTER SELECT*2
MCON : INTERFACE SELECT CONTROL*1
MDT/FSEL1 : MCON = H : MICROCOMPUTER INTERFACE DATA
MCON = L : FILTER SELECT*2
MLEN/DEEM : MCON = H : MICROCOMPUTER INTERFACE LATCH ENABLE
MCON = L : DEEMPHASIS CONTROL
MUTE1 : DF OUTPUT SOFT MUTE (L : OFF/H : ON)
RSTN : SYSTEM RESET
XT1 : OSCILLATOR

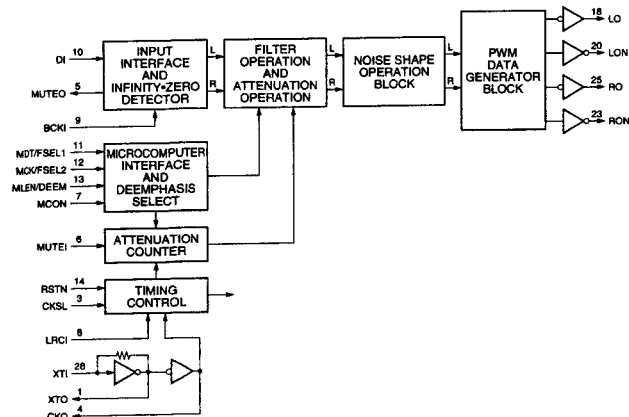
*1	MCON	MODE
0	FSEL1, FSEL2, DEEM	
1	MDT, MCK, MLEN	

*2	MCON	FSEL1	FSEL2
0	0	0 (44.1 kHz)	1 (48.0 kHz)
0	1	0 (44.1 kHz)	1 (32.0 kHz)

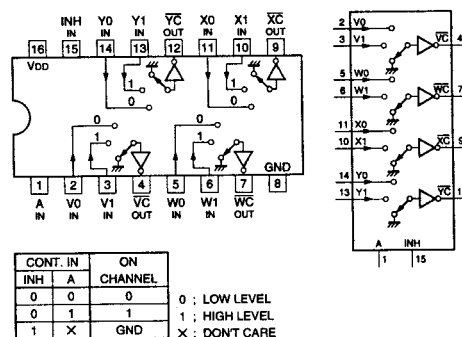
0 : LOW LEVEL
1 : HIGH LEVEL

OUTPUT

CKO : CLOCK
LO : L-CH PWM (PULSE WIDTH MODULATION) (+)
LON : L-CH PWM (PULSE WIDTH MODULATION) (-)
MUTE0 : INFINITY ZERO DETECT
RO : R-CH PWM (PULSE WIDTH MODULATION) (+)
RON : R-CH PWM (PULSE WIDTH MODULATION) (-)
XTO : OSCILLATOR



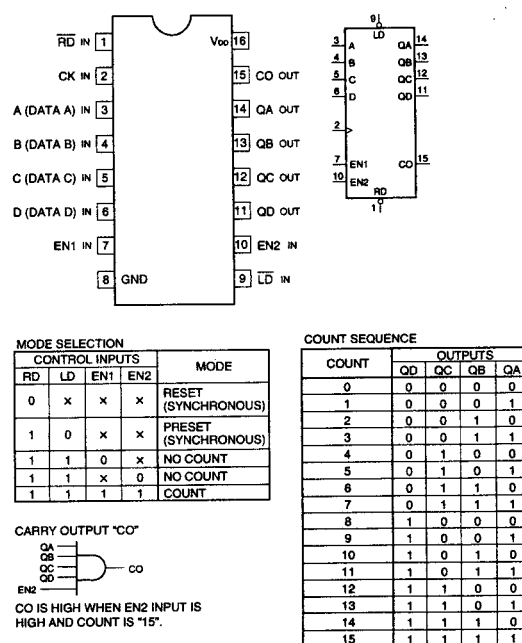
SN74HC158APW-E05 (TI)

C-MOS 2-LINE-TO-1-LINE INVERTED DATA SELECTOR/MULTIPLEXER
—TOP VIEW—

CONT. IN	ON CHANNEL
INH A	CHANNEL
0 0	0
0 1	1
1 X	GND

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE

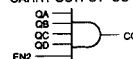
SN74HC163APW-E05 (TI)

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
—TOP VIEW—

MODE SELECTION				
RD	LD	EN1	EN2	MODE
0	x	x	x	RESET (SYNCHRONOUS)
1	0	x	x	PRESET (SYNCHRONOUS)
1	1	0	x	NO COUNT
1	1	x	0	NO COUNT
1	1	1	1	COUNT

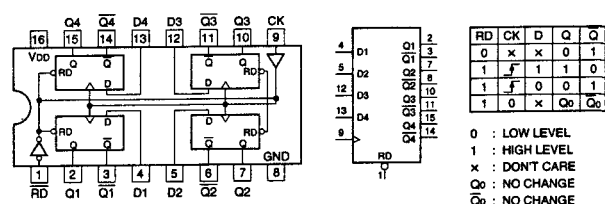
COUNT SEQUENCE				
COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

CARRY OUTPUT "CO"



CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

SN74HC175APW-E05 (TI)

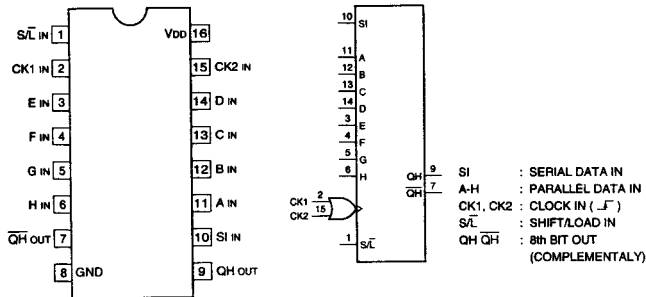
C-MOS QUAD D-TYPE FLIP-FLOPS WITH RESET
—TOP VIEW—

RD	CK	D	Q	Q'
0	x	x	0	1
1	1	1	1	0
1	1	0	0	1
1	0	x	Q0	Q0'

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE
Q0 : NO CHANGE
Q0' : NO CHANGE

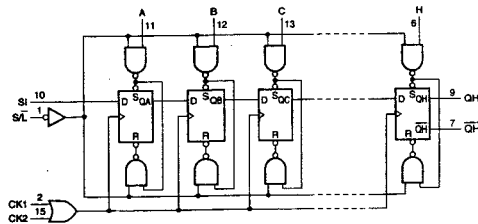
SN74HC165ANS (TI)
SN74HC165ANS-E05
SN74HC165APW-E05 (TI)

C-MOS SERIAL-OR PARALLEL-INPUT SHIFT REGISTER
—TOP VIEW—



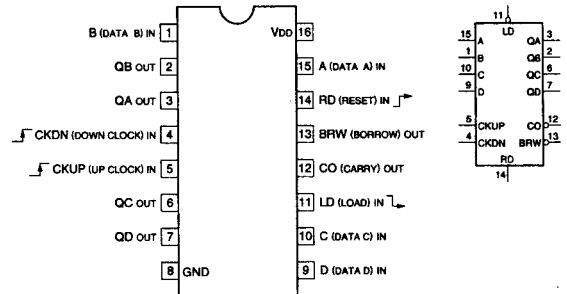
INPUTS				CONTENTS		OUTPUT	OPERATION
S/L	CK1+CK2	SI	A-H	QA	QB	QH	
0	x	x	a-h	a	b	h	PARALLEL LOAD
1	\square	0	x	0	QAo	QGo	RIGHT SHIFT
1	\square	1	x	1	QAo	QGo	RIGHT SHIFT
1	\square	x	x	QAo	QBo	QHo	NO COUNT
1	0	x	x	QAo	QBo	QHo	
1	1	x	x	QAo	QBo	QHo	NO COUNT
1	1	x	x	QAo	QBo	QHo	

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE
a-h : LEVEL OF INPUTS A-H
QAo - QHo : LEVEL OF QA-QH BEFORE THE INDICATED INPUT CONDITIONS WERE ESTABLISHED



SN74HC193ANS (TI)
SN74HC193ANS-E05

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT UP/DOWN COUNTER
—TOP VIEW—

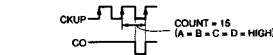


CONTROL INPUT				MODE	
RD	LD	CKUP	CKDN		
1	x	x	x	RESET TO ZERO	
0	0	x	x	PRESET	
0	1	\square	1	UP COUNT	
0	1	1	\square	DOWN COUNT	
0	1	1	1	NO COUNT	

COUNT		QD	QC	QB	QA
0		0	0	0	0
1		0	0	0	1
2		0	0	1	0
3		0	0	1	1
4		0	1	0	0
5		0	1	0	1
6		0	1	1	0
7		0	1	1	1
8		1	0	0	0
9		1	0	0	1
10		1	0	1	0
11		1	0	1	1
12		1	1	0	0
13		1	1	0	1
14		1	1	1	0
15		1	1	1	1

↑ UP COUNT
↓ DOWN COUNT

$$CO = CKUP \cdot QA \cdot QB \cdot QC \cdot QD$$



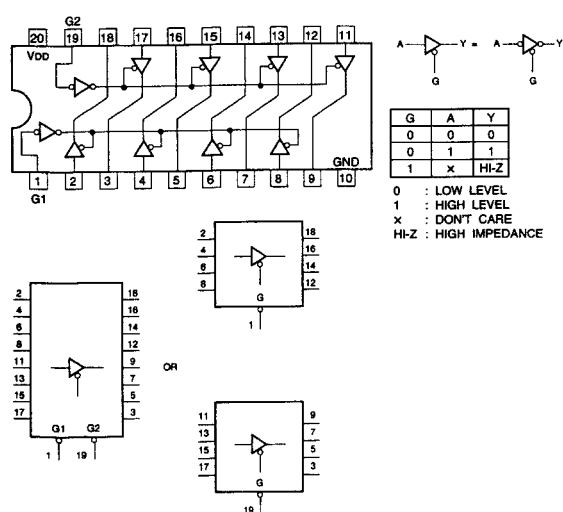
$$BRW = CKDN \cdot QA \cdot QB \cdot QC \cdot QD$$



0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

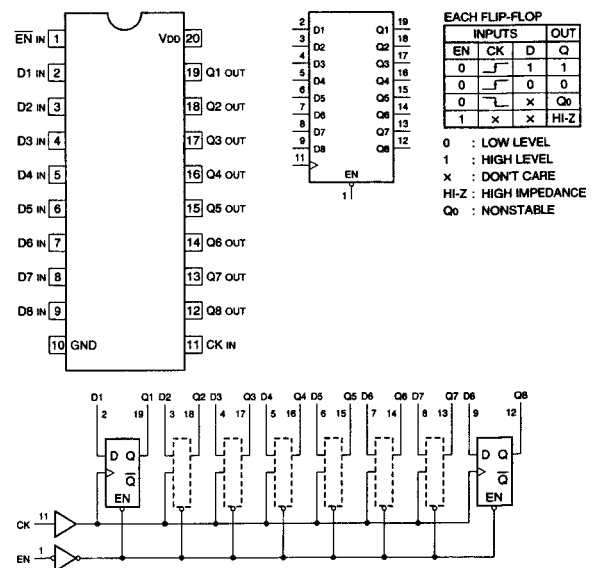
SN74HC244APW-E05 (TI)
SN74HCT244ANS (TI)
SN74HCT244ANS-E05
SN74HCT244APW-E05 (TI)
TC74VHC244FT(EL) (TOSHIBA)

C-MOS BUS BUFFER WITH 3-STATE OUTPUTS
—TOP VIEW—



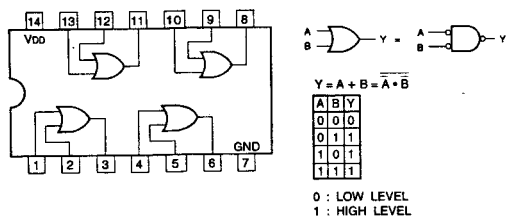
SN74HC574APW-E05
SN74HC574APW-E20 (TI)
TC74VHC574FT(EL) (TOSHIBA)

C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP
—TOP VIEW—



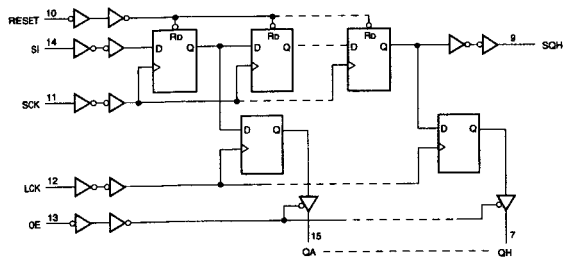
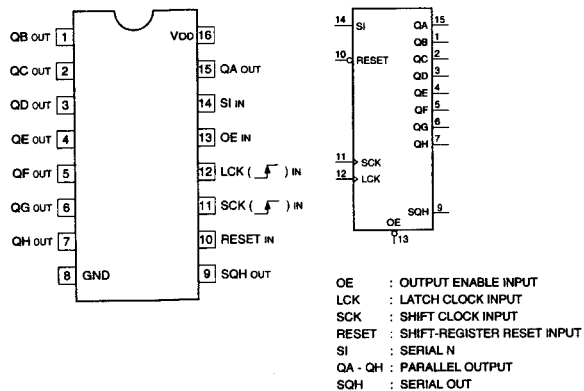
SN74HC32APW-E05 (TI)
TC74VHC32FT(EL) (TOSHIBA)

C-MOS QUAD 2-INPUT OR GATES
—TOP VIEW—



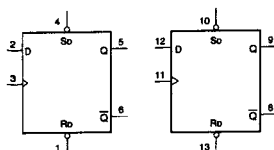
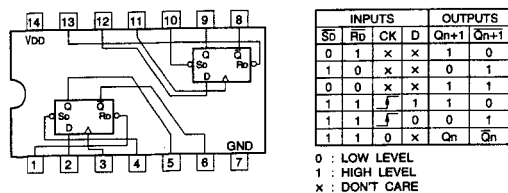
SN74HC595ADB-E05 (TI)

C-MOS 8-BIT SERIAL-INPUT/SERIAL- OR PARALLEL-OUTPUT
SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT
—TOP VIEW—



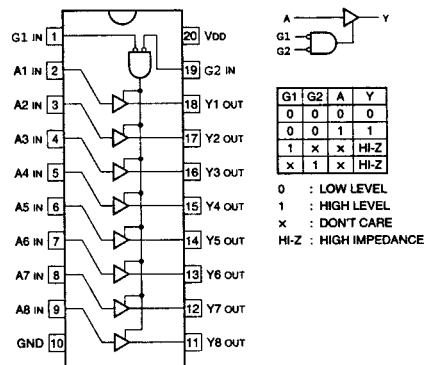
SN74HC74APW-E05 (TI)
TC74VHC74FT(EL) (TOSHIBA)

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET
—TOP VIEW—



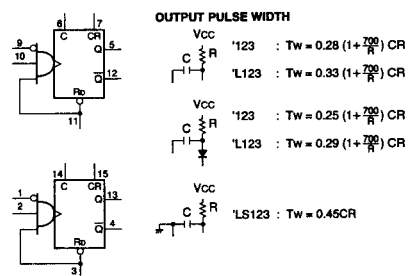
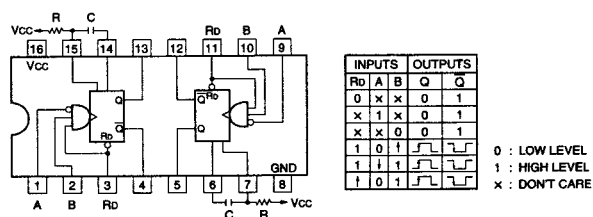
SN74HCT541APW-E05 (TI)
TC74VHC541FT(EL) (TOSHIBA)

OCTAL BUS BUFFER WITH 3-STATE OUTPUTS
—TOP VIEW—



SN74LS123NS (TI)
SN74LS123NS-E05

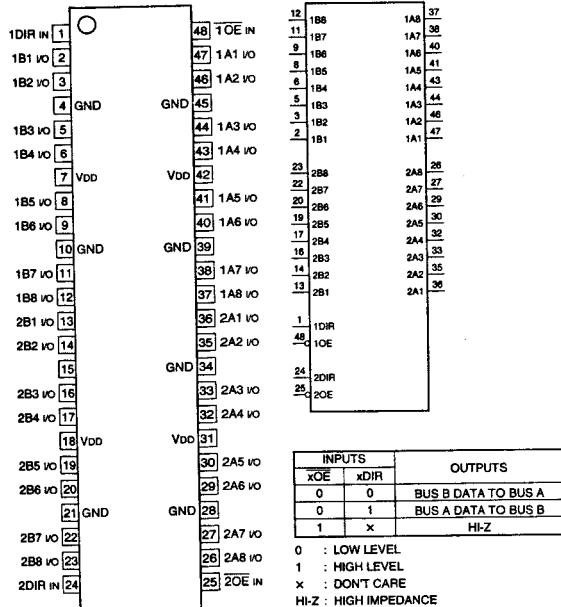
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET
—TOP VIEW—



SN74LVC16245ADGGR (TI)

C-MOS 16-BIT BIDIRECTIONAL TRANSCEIVER

—TOP VIEW—



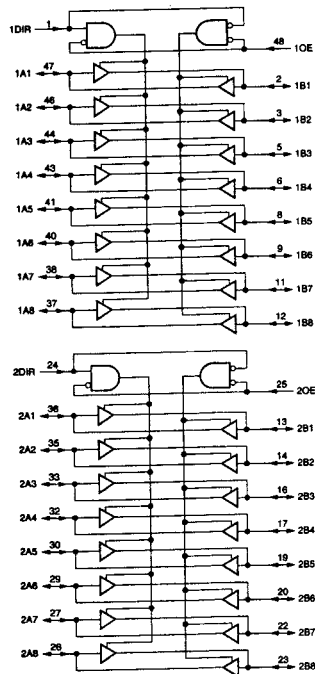
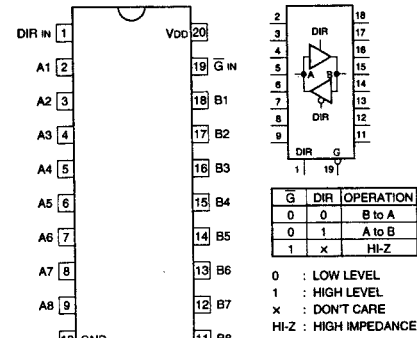
SN74LVC245APW-E20 (TI)

SN74LVC245APWR

TC74VHC245FT(EL) (TOSHIBA)

OCTAL BUS TRANSCEIVER WITH 3-STATE OUTPUTS

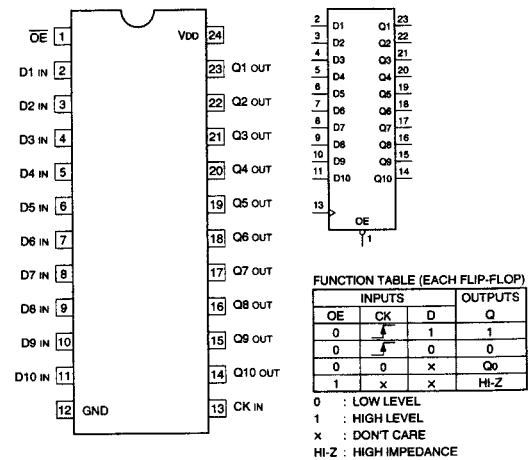
—TOP VIEW—



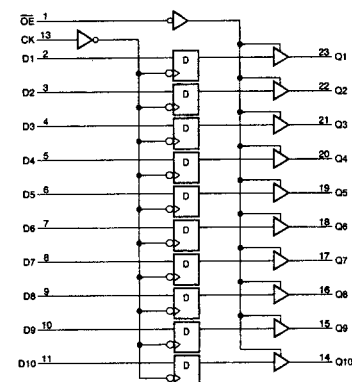
SN74LVC821APW-E05 (TI)

C-MOS 10-BIT BUS INTERFACE FLIP-FLOPS WITH 3-STATE OUTPUTS

—TOP VIEW—

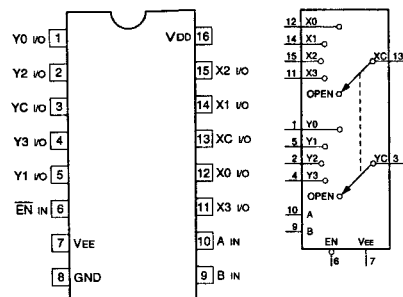


LOGIC DIAGRAM (POSITIVE LOGIC)



TC4052BFT(EL,N) (TOSHIBA)

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS/DEMULPLEXERS
—TOP VIEW—

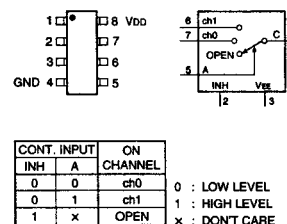


CONTROL INPUTS			ON CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	x	x	OPEN

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

TC4W53FU (TOSHIBA) TC4W53FU(TE12R)

C-MOS 2-CHANNEL MULTIPLEXER/DEMULPLEXER
—TOP VIEW—

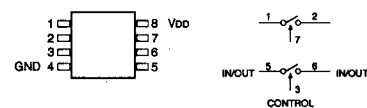


CONT. INPUT		ON CHANNEL
INH	A	
0	0	ch0
0	1	ch1
1	x	OPEN

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

TC4W66FU(TE12R) (TOSHIBA)

C-MOS DUAL BILATERAL SWITCH
—TOP VIEW—

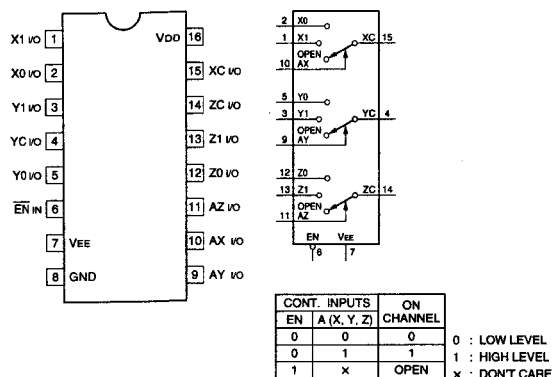


CONTROL	SWITCH
0	OFF
1	ON

0 : LOW LEVEL
1 : HIGH LEVEL

TC4053BFT(EL,N) (TOSHIBA)

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULPLEXERS
—TOP VIEW—

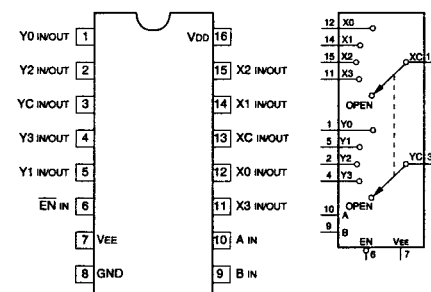


CONT. INPUTS				ON CHANNEL
EN	A	(X, Y, Z)		
0	0	0	0	
0	1	0	1	
1	x	x	x	OPEN

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

TC74HC4052AFT(EL) (TOSHIBA)

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXER/DEMULPLEXER
—TOP VIEW—

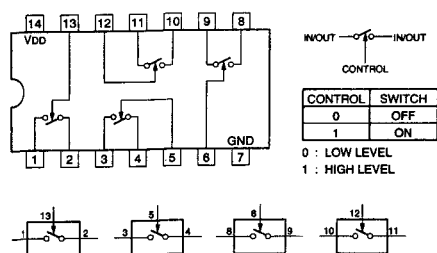


CONTROL INPUTS			"ON" CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	x	x	OPEN

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

TC4066BFT(EL,N) (TOSHIBA)

C-MOS QUAD BILATERAL ANALOG SWITCH
—TOP VIEW—

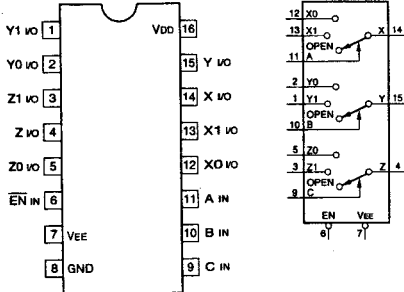


CONTROL	SWITCH
0	OFF
1	ON

0 : LOW LEVEL
1 : HIGH LEVEL

TC74HC4053AFT(EL) (TOSHIBA)

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULPLEXER
—TOP VIEW—

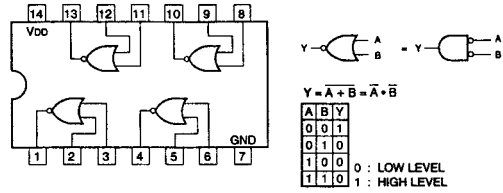


CONTROL INPUTS				ON CHANNEL		
EN	SELECT					
	C	B	A			
0	0	0	0	Z0	Y0	X0
0	0	0	1	Z0	Y0	X1
0	0	1	0	Z0	Y1	X0
0	0	1	1	Z0	Y1	X1
0	1	0	0	Z1	Y0	X0
0	1	0	1	Z1	Y0	X1
0	1	1	0	Z1	Y1	X0
0	1	1	1	Z1	Y1	X1
1	x	x	x	OPEN		

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

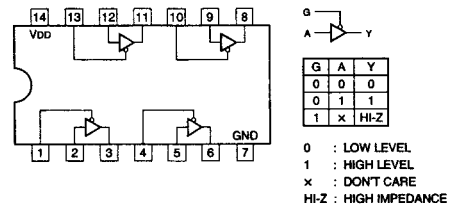
TC74VHC02FT(EL) (TOSHIBA)

C-MOS QUAD 2-INPUT NOR GATES
—TOP VIEW—



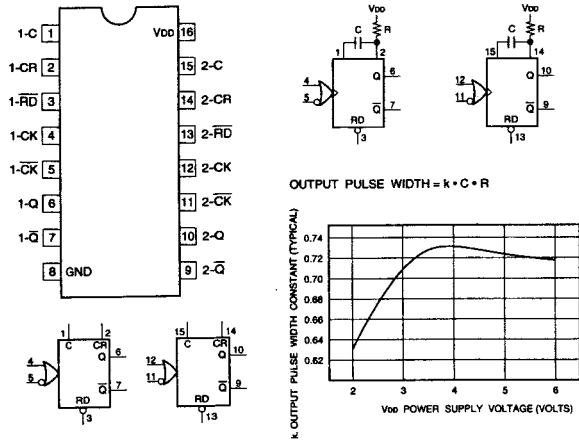
TC74VHC125FT(EL) (TOSHIBA)

C-MOS BUS BUFFER GATES WITH 3-STATE OUTPUT
—TOP VIEW—



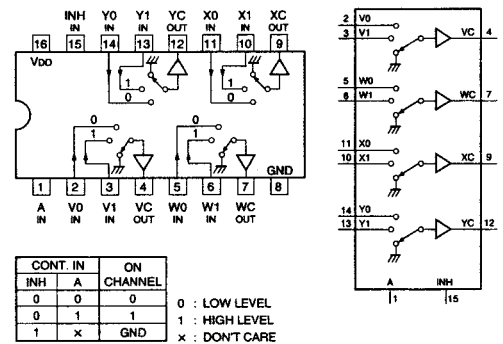
TC74HC4538AFT(EL) (TOSHIBA)

C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
—TOP VIEW—



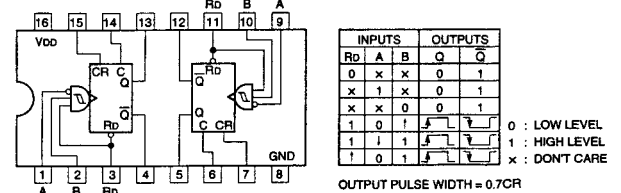
TC74VHC157FT(EL) (TOSHIBA)

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
—TOP VIEW—

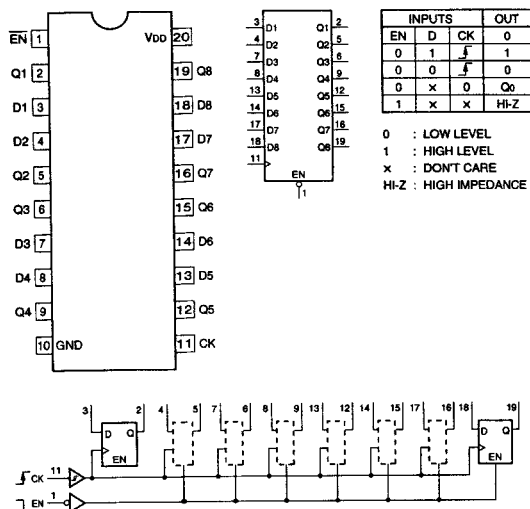
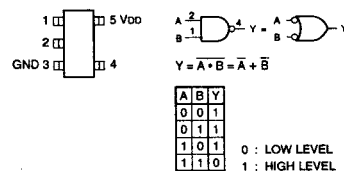
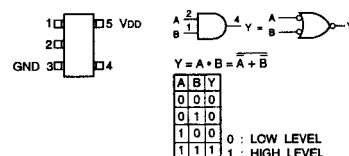


TC74VHC221AFT(EL) (TOSHIBA)

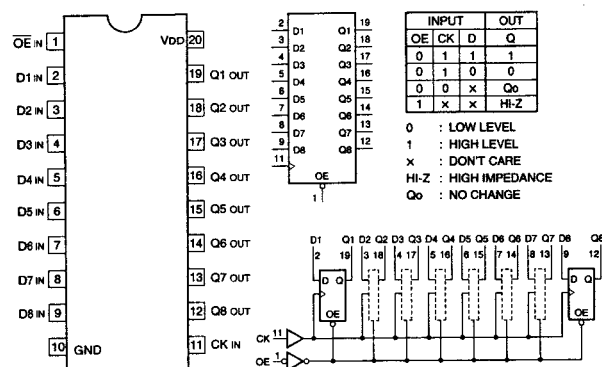
C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
—TOP VIEW—



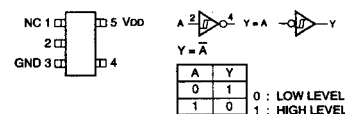
TC74VHC374FT(EL) (TOSHIBA)

C-MOS 3-STATE OCTAL D-TYPE FLIP-FLOP
—TOP VIEW—TC7S00FU(TE85R) (TOSHIBA)
TC7SH00FU-TE85R (TOSHIBA)C-MOS 2-INPUT NAND GATE
—TOP VIEW—TC7S08F (TOSHIBA)
TC7S08F(TE85R)
TC7S08FU(TE85R) (TOSHIBA)
TC7SET08FU(TE85R) (TOSHIBA)
TC7SH08F-TE85R (TOSHIBA)
TC7SH08FU-TE85R (TOSHIBA)C-MOS 2-INPUT AND GATE
—TOP VIEW—

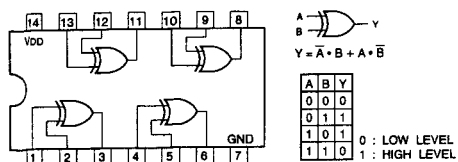
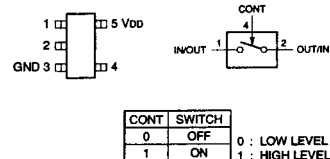
TC74VHC573FT(EL) (TOSHIBA)

C-MOS 3-STATE OUTPUTS OCTAL LATCHES
—TOP VIEW—

TC7S14FU(TE85R) (TOSHIBA)

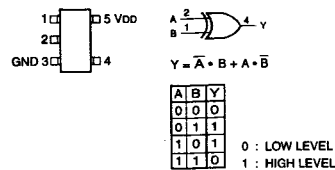
C-MOS SCHMITT INVERTER
—TOP VIEW—

TC74VHC86FT(EL) (TOSHIBA)

C-MOS QUAD EXCLUSIVE OR GATES
—TOP VIEW—TC7S66FU (TOSHIBA)
TC7S66FU(TE85R)C-MOS BILATERAL ANALOG SWITCH
—TOP VIEW—

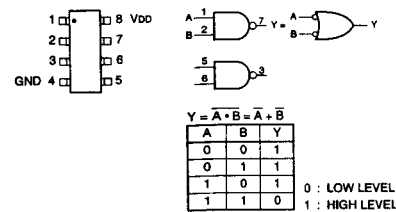
TC7S86FU (TOSHIBA)
TC7S86FU(TE85R)
TC7SH86FU-TE85R (TOSHIBA)

C-MOS 2-INPUT EXCLUSIVE OR GATE
—TOP VIEW—



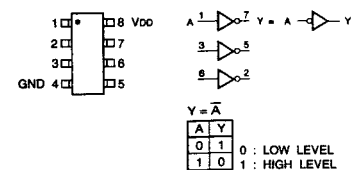
TC7W00FU (TOSHIBA)
TC7W00FU(TE12R)

C-MOS DUAL 2-INPUT NAND GATE
—TOP VIEW—



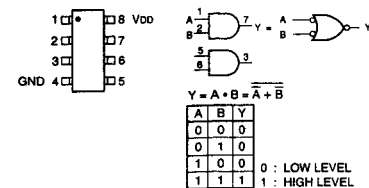
TC7W04FU (TOSHIBA)
TC7W04FU(TE12R)
TC7WH04FU(TE12R) (TOSHIBA)

C-MOS HEX INVERTERS
—TOP VIEW—



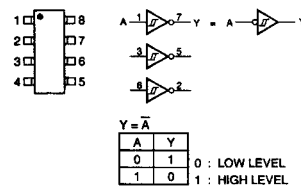
TC7W08FU (TOSHIBA)
TC7W08FU(TE12R)

C-MOS 2-INPUT AND GATE
—TOP VIEW—



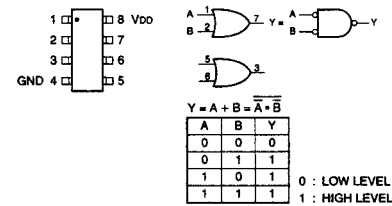
TC7W14FU(TE12R) (TOSHIBA)

C-MOS HEX INVERTERS
—TOP VIEW—



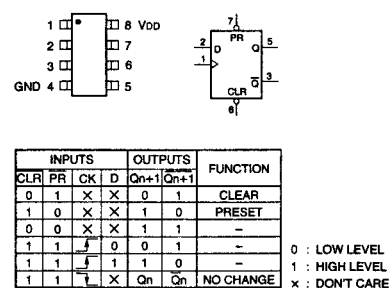
TC7W32FU (TOSHIBA)
TC7W32FU(TE12R)

C-MOS DUAL 2-INPUT OR GATE
—TOP VIEW—



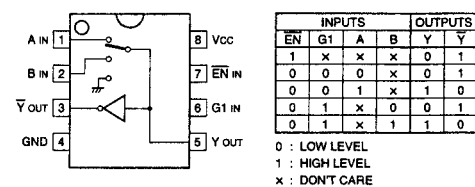
TC7W74FU (TOSHIBA)
TC7W74FU(TE12R)
TC7WH74FU(TE12R)
TC7WH74FU(TE12R) (TOSHIBA)

C-MOS D-TYPE FLIP-FLOPS WITH PRESET AND CLEAR
—TOP VIEW—



TC7WH157FU(TE12R) (TOSHIBA)

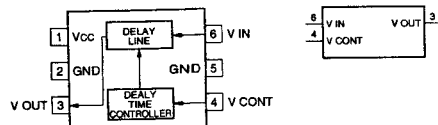
2-CHANNEL MULTIPLEXER
—TOP VIEW—



TK16074MTL (TOKO)

ANALOG VIDEO SIGNAL DELAYER

—TOP VIEW—



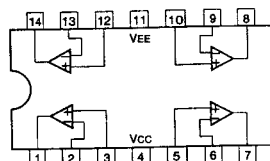
TL064CPW (TI)

TL064CPW-E05

OPERATIONAL AMPLIFIER

(J FET INPUT)

—TOP VIEW—



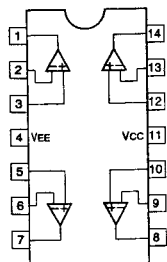
TL074CPW (TI)

TL074CPW-E05

OPERATIONAL AMPLIFIER

(LOW-NOISE, JFET-INPUT)

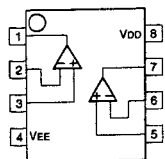
—TOP VIEW—



TLC272CPW-E05 (TI)

C-MOS DUAL OPERATIONAL AMPLIFIERS
(SINGLE-SUPPLY TYPE)

—TOP VIEW—

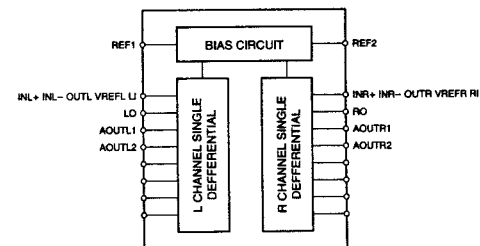
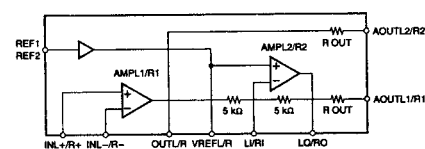
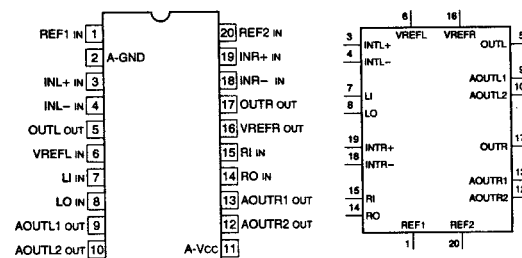


TL32088CNS-E20 (TI)

TL32088CNSR

PRE-AMP (FOR AUDIO 2CH A/D CONVERTER)

—TOP VIEW—

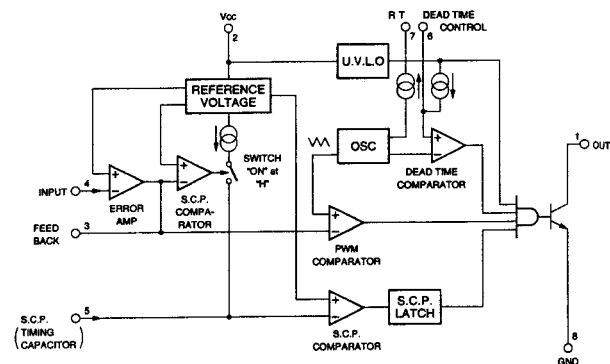
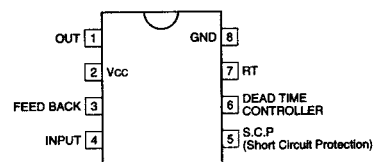


TL5001CD (TI)

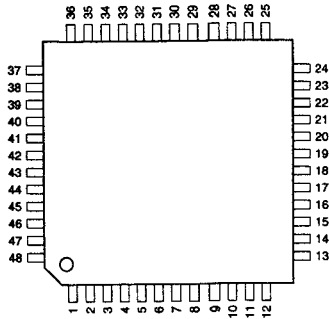
TL5001CDR

SWITCHING REGULATOR CONTROLLER

—TOP VIEW—



TL16C550CPT (TI)

ASYNCHRONOUS COMMUNICATION ELEMENT
—TOP VIEW—

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	NC	13	—	NC	25	—	NC	37	—	NC
2	I/O	D5	14	I	XIN	26	I	A2	38	I	CTS
3	I/O	D6	15	O	XOUT	27	I	A1	39	I	DSR
4	I/O	D7	16	I	WR1	28	I	A0	40	I	DCD
5	I	RCLK	17	I	WR2	29	O	RXRDY	41	I	RI
6	—	NC	18	—	GND	30	O	INTRPT	42	—	VCC
7	I	SIN	19	I	RD1	31	O	OUT2	43	I/O	D0
8	O	SOUT	20	I	RD2	32	O	RTS	44	I/O	D1
9	I	CS0	21	—	NC	33	O	DTR	45	I/O	D2
10	I	CS1	22	O	DDIS	34	O	OUT1	46	I/O	D3
11	I	CS2	23	O	TXRDY	35	I	MR	47	I/O	D4
12	O	BAUDOUT	24	I	ADS	36	—	NC	48	—	NC

INPUTS

A0 - A2 : REGISTER SELECT
 ADS : ADDRESS STROBE
 CS0, CS1, CS2 : CHIP SELECT
 CTS : CLEAR TO SEND
 DCD : DATA CARRIER DETECT
 DSR : DATA SET READY
 MR : MASTER RESET
 RCLK : RECEIVER CLOCK
 RD1, RD2 : READ
 RI : RING INDICATOR
 SIN : SERIAL DATA
 WR1, WR2 : WRITE
 XIN : EXTERNAL CLOCK

OUTPUTS

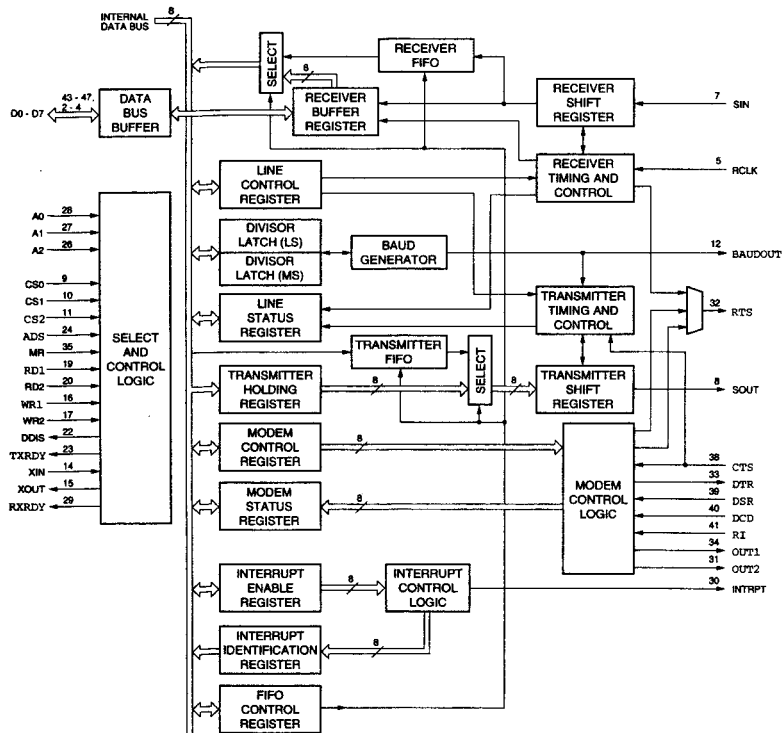
BAUDOUT : BAUD
 DDIS : DRIVER DISABLE
 DTR : DATA TERMINAL READY
 INTRPT : INTERRUPT
 OUT1, OUT2 : OUTPUT 1 AND 2
 RTS : REQUEST TO SEND
 RXRDY : RECEIVER READY
 SOUT : SERIAL DATA
 TXRDY : TRANSMITTER READY
 XOUT : EXTERNAL CLOCK

INPUTS/OUTPUTS

D0 - D7 : DATA BUS

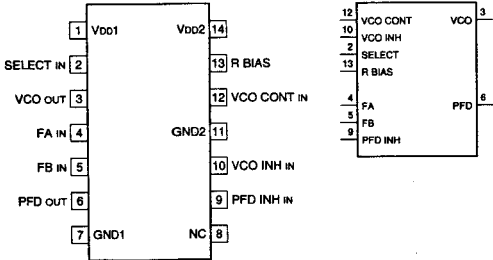
OTHER

NC : NO CONNECTION

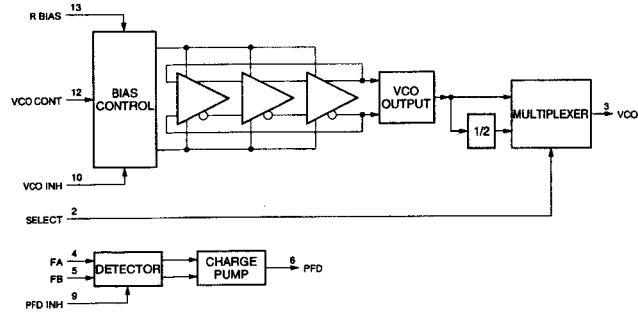


TLC2932IPW-E20 (TI)

C-MOS VCO AND PHASE FREQUENCY DETECTOR
—TOP VIEW—

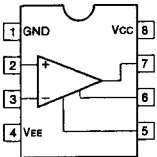


- INPUT**
- FA : REFERENCE FREQUENCY
 - FB : INPUT FREQUENCY FROM OUTSIDE COUNTER
 - PFD INH : PFD INHIBIT
 - SELECT : VCO OUTPUT FREQUENCY SELECT
 - VCO CONT : VCO CONTROL VOLTAGE
 - VCO INH : VCO INHIBIT
- OUTPUT**
- PFD : PHASE FREQUENCY DETECTOR
 - VCO : VOLTAGE CONTROLLED OSCILLATOR
- OTHER**
- R BIAS : BIAS RESISTOR FOR VCO OSCILLATION FREQUENCY SETTING



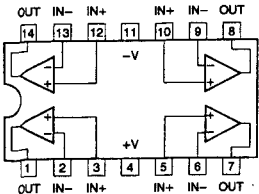
UPC311G2 (NEC)
UPC311G2-E2

VOLTAGE COMPARATOR
—TOP VIEW—



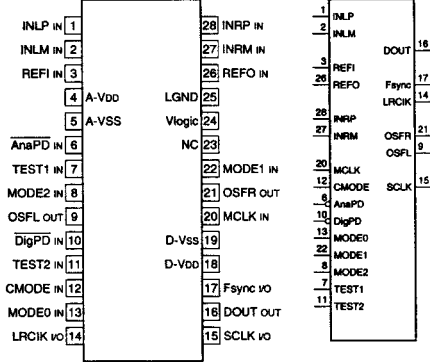
UPC324G2 (NEC)
UPC324G2-E2

QUAD OPERATIONAL AMPLIFIERS
—TOP VIEW—



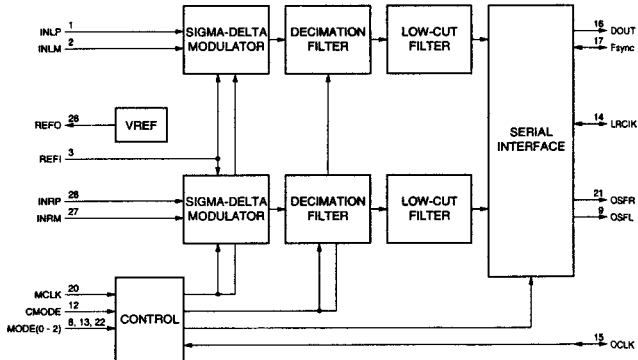
TLC320AD58CDWR (TI)

2CH AUDIO A/D CONVERTER
—TOP VIEW—



- INPUT**
- AnaPD : ANALOG POWER DOWN MODE
 - CMODE : CLOCK MODE
 - DigPD : DIGITAL POWER DOWN MODE
 - INLM : L-CH INV ANALOG INPUT
 - INLP : L-CH NONINV ANALOG INPUT
 - INRM : R-CH INV ANALOG INPUT
 - INRP : R-CH NONINV ANALOG INPUT
 - MCLK : MASTER CLOCK
 - MODE0 - MODE2 : SERIAL MODE
 - REFI : REFERENCE VOLTAGE INPUT
 - REFO : INTERNAL REFERENCE VOLTAGE POWER
 - TEST1, TEST2 : TEST MODE
- OUTPUT**
- DOUT : DATA
 - OSFL/R : L/R-CH OVER SCALE FLAG
- INPUT/OUTPUT**
- Fsync : FRAME SYNCHRONOUS
 - LRCIK : LR CLOCK
 - SCLK : SHIFT CLOCK

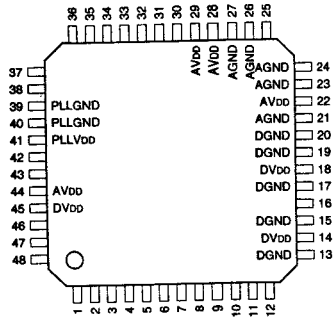
MODE	MASTER/SLAVE	BIT	MSB/LSB
0 1 2	SLAVE	16	FIRST
0 0 0	SLAVE	18	MSB
0 0 1	SLAVE	18	LSB
0 1 0	SLAVE	18	MSB
0 1 1	MASTER	16	MSB
1 0 0	MASTER	18	MSB
1 0 1	MASTER	18	LSB
1 1 0	MASTER	16	MSB
1 1 1	MASTER	16	LSB



TSB11LV01PT-TEB (TI)

C-MOS CABLE TRANSCEIVERS/ARBITER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	CNA	13	—	DGND	25	O	TPBIAS	37	O	XI
2	I	LPS	14	—	DVDD	26	—	AGND	38	I	—
3	I/O	CLKON	15	—	DGND	27	—	AGND	39	—	PLLGND
4	I	PC0	16	—	BIAS	28	—	AVDD	40	—	PLLGND
5	I	PC1	17	—	DGND	29	—	AVDD	41	—	PLLVDD
6	I	PC2	18	—	DVDD	30	I	CPS	42	I	PLLFLT
7	I	LREQ	19	—	DGND	31	I	R1	43	I	PWRDN
8	I/O	CTL0	20	—	DGND	32	I	R0	44	—	AVDD
9	I/O	CTL1	21	—	AGND	33	I/O	TPB-	45	—	DVDD
10	I/O	D0	22	—	AVDD	34	I/O	TPB+	46	I	RESET
11	I/O	D1	23	—	AGND	35	I/O	TPA-	47	I	TESTM2
12	O	SYSCLK	24	—	AGND	36	I/O	TPA+	48	I	TESTM1

INPUT

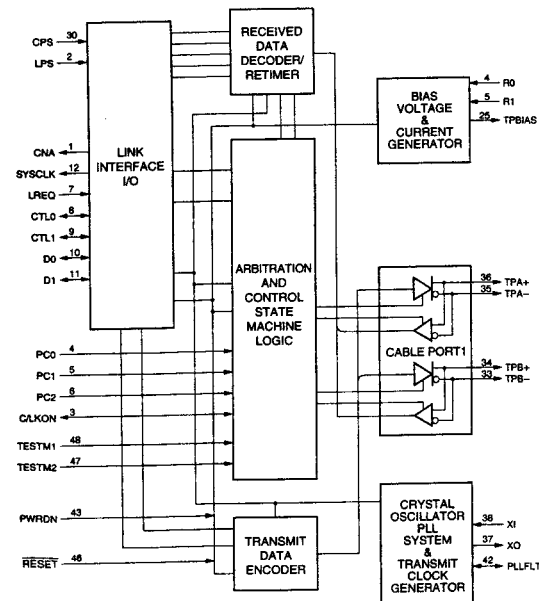
CPS : CABLE POWER STATUS
 LPS : LINK POWER STATUS
 LREQ : LINK REQUEST
 PC0 - PC2 : POWER STATUS
 PLLFLT : EXTERNAL FILTER CAPACITOR
 PWRDN : POWER DOWN
 R0, R1 : EXTERNAL CURRENT SETTING RESISTOR
 RESET : RESET
 TESTM1, TESTM2 : TEST MODE CONTROL
 XI : EXTERNAL CRYSTAL

OUTPUT

CNA : CABLE NOT ACTIVE
 SYSCLK : 49.152 MHz CLOCK TO LINK CONTROLLER
 TPBIAS : CABLE TERMINATION VOLTAGE SIGNAL
 XO : EXTERNAL CRYSTAL

INPUT/OUTPUT

CLKON : CONFIGURATION-MANAGER-CONTENDER STATUS
 CTL0, CTL1 : LINK INTERFACE BI-DIRECTIONAL CONTROL SIGNALS
 D0, D1 : LINK INTERFACE BI-DIRECTIONAL DATA SIGNALS
 TPA+ : PORT CABLE PAIR A, POSITIVE SIGNAL
 TPA- : PORT CABLE PAIR A, NEGATIVE SIGNAL
 TPB+ : PORT CABLE PAIR B, POSITIVE SIGNAL
 TPB- : PORT CABLE PAIR B, NEGATIVE SIGNAL

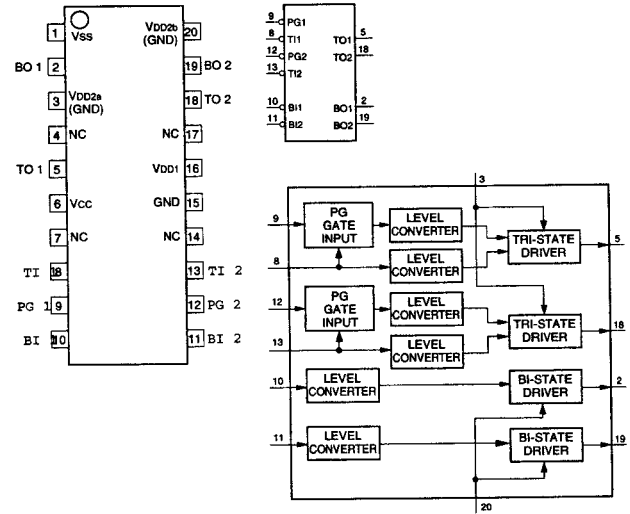


UPD16502GS(1) (NEC)

UPD16502GS-E2

C-MOS CCD DRIVER

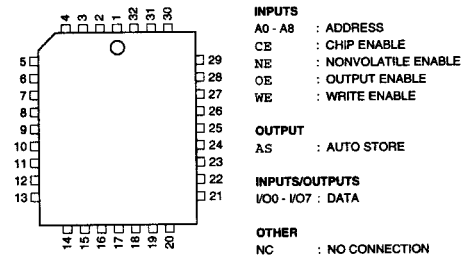
—TOP VIEW—



X20C05J-55 (XICOR)

4K (512x8)-BIT NONVOLATILE RAM

—TOP VIEW—

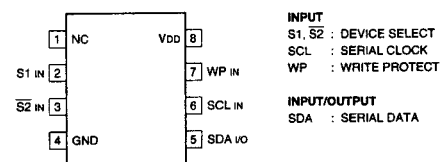


PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	NC	9	I	A2	17	—	NC	25	I	OE
2	I	NE	10	I	A1	18	I/O	I/O3	26	—	NC
3	—	NC	11	I	A0	19	I/O	I/O4	27	—	NC
4	I	A7	12	—	NC	20	I/O	I/O5	28	—	NC
5	I	A6	13	I/O	I/O0	21	I/O	I/O6	29	I	A8
6	I	A5	14	I/O	I/O1	22	I/O	I/O7	30	O	AS
7	I	A4	15	I/O	I/O2	23	I	CE	31	I	WE
8	I	A3	16	—	GND	24	—	NC	32	—	VCC

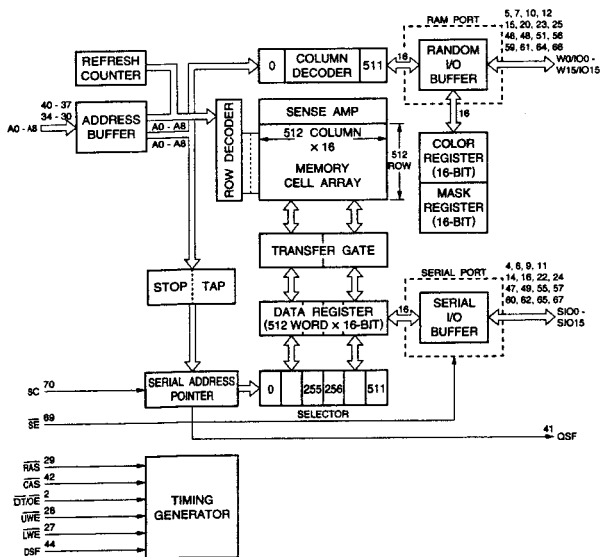
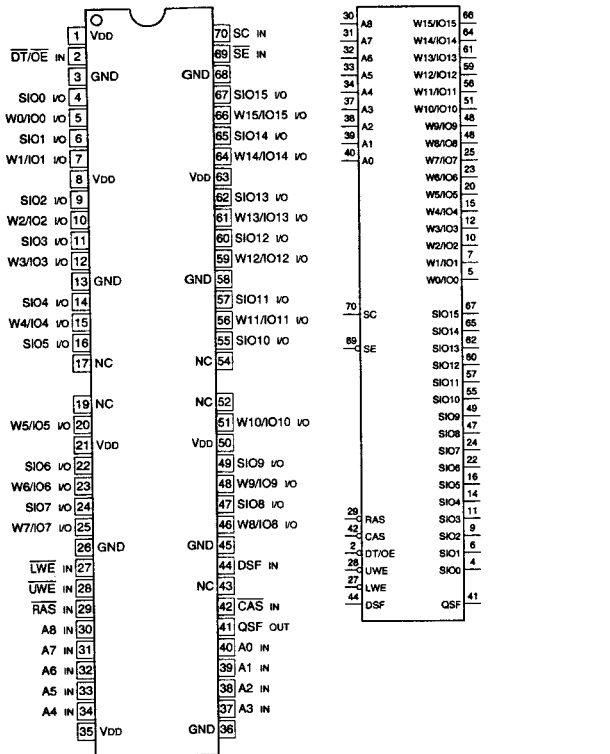
X24645S8T2 (XICOR)

C-MOS SERIAL EEPROM

—TOP VIEW—



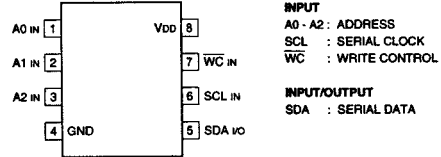
UPD482445LG4-B10-9MH-E2-HDC (NEC)

C-MOS 4M-BIT DUALPORT GRAPHICS BUFFER
—TOP VIEW—

INPUT
A0-A8 : ADDRESS
CAS : COLUMN ADDRESS STROBE
DSF : SPECIAL FUNCTION ENABLE
DT/OE : DATA TRANSFER/OUTPUT ENABLE
LWE : WRITE ADDRESS STROBE
RAS : ROW ADDRESS STROBE
SC : SERIAL CLOCK
SE : SERIAL DATA INPUT/OUTPUT ENABLE
UWE : WRITE PER BIT

OUTPUT
QSF : SPECIAL FUNCTION

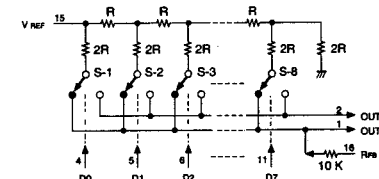
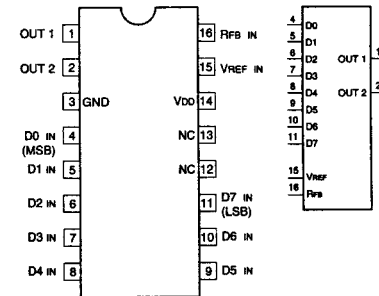
INPUT/OUTPUT
SIO0-SIO15 : SERIAL DATA
W0/IO0-W15/IO15 : DATA

X24C02S-T1 (XICOR)
X24C08SC7000 (XICOR)SERIAL EEPROM
—TOP VIEW—

NOTE :

TYPE	MEMORY	PIN 7
NM24C16	16 K	NC
X24C02	2 K	WC
X24C04	4 K	TEST
X24C08	8 K	TEST

XRD7523AID-JTR (EXAR)

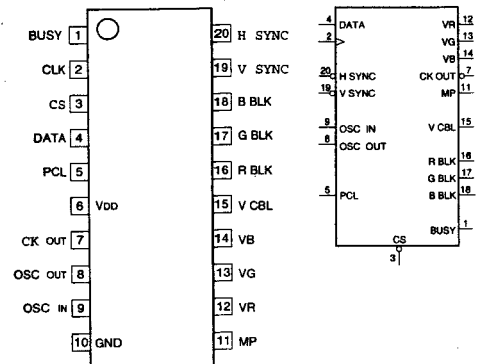
C-MOS 8-BIT D/A CONVERTER
—TOP VIEW—

MP7523 : R = 10 K
XRD7523 : R = 20 K

UPD6453GT-658-E2 (NEC)

C-MOS ON-SCREEN CHARACTER DISPLAY

—TOP VIEW—

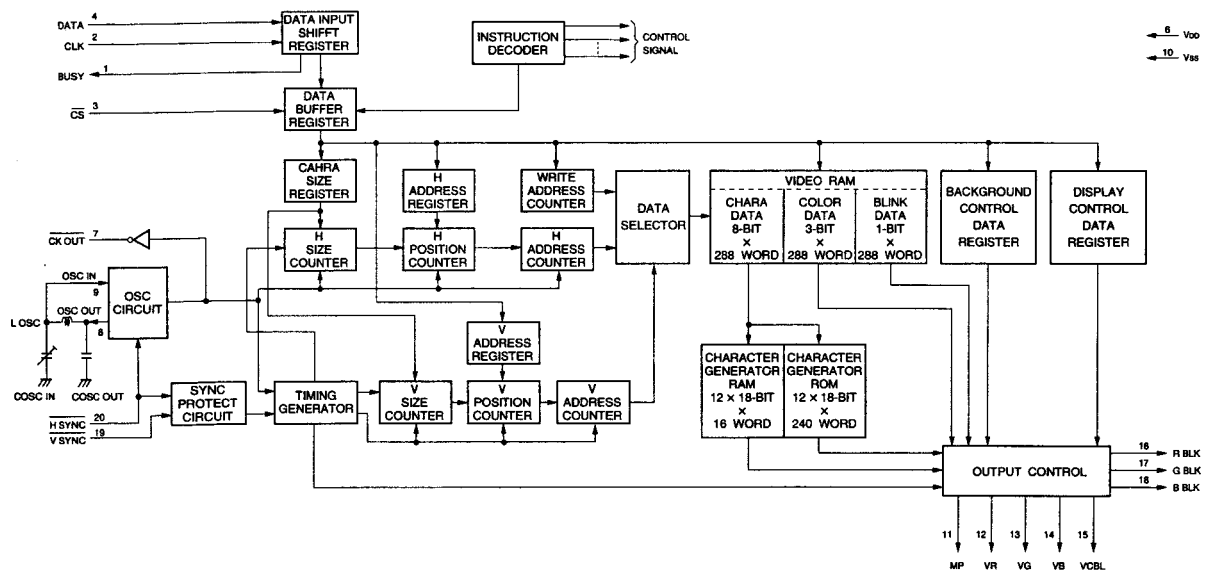


INPUT

CLK : CLOCK
CS : CHIP SELECT
DATA : SERIAL DATA
H SYNC : HORIZONTAL SYNC
OSC IN : OSCILLATOR IN
PCL : POWER ON CLEAR
V SYNC : VERTICAL SYNC

OUTPUT

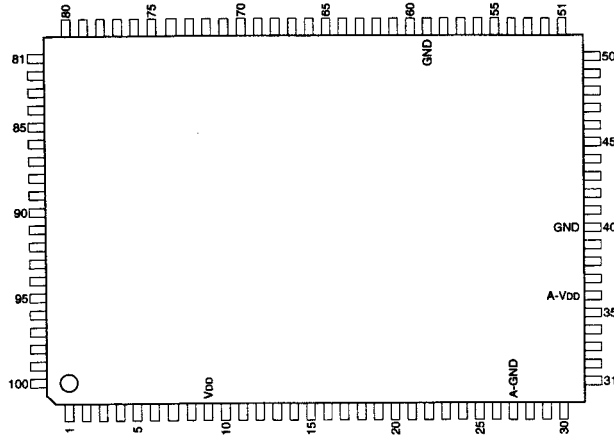
BBLK, RBLK, GBLK : R, G, B, BLANKING
BUSY : BUSY OUT
CK OUT : CLOCK
MP : MASK PULSE
OSC OUT : OSCILLATOR OUT
VR, VG, VB : R, G, B, CHARACTER DATA
VCBL : VIDEO CUT BLANKING



UPD78P064GF-3BA (NEC)

C-MOS 8-BIT SINGLE CHIP MICROCOMPUTER

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	P26/SO0/SB1	26	I/O	P117	51	O	COM0	76	O	S16
2	I/O	P27/SCK0	27	—	AGND	52	O	COM1	77	O	S17
3	I/O	P70/SI2/RXD	28	I/O	P10/AN0	53	O	COM2	78	O	S18
4	O	P71/SO2/TXD	29	I/O	P11/AN1	54	O	COM3	79	O	S19
5	I/O	P72/SCK2/ASCK	30	I/O	P12/AN2	55	—	BIAS	80	O	S20
6	—	IC	31	I/O	P13/AN3	56	—	V _{LC0}	81	O	S21
7	—	X2	32	I/O	P14/AN4	57	—	V _{LC1}	82	O	S22
8	I	X1	33	I/O	P15/AN5	58	—	V _{LC2}	83	O	S23
9	—	V _{DD}	34	I/O	P16/AN6	59	—	GND	84	I/O	P97/S24
10	I	P07/XT1	35	I/O	P17/AN7	60	O	S0	85	I/O	P98/S25
11	—	XT2	36	—	AV _{DD}	61	O	S1	86	I/O	P95/S26
12	I	RESET	37	I	AVREF	62	O	S2	87	I/O	P94/S27
13	I	P00/INTP0/TIO0	38	I/O	P100	63	O	S3	88	I/O	P93/S28
14	I/O	P01/INTP1/TIO1	39	I/O	P101	64	O	S4	89	I/O	P92/S29
15	I/O	P02/INTP2	40	—	GND	65	O	S5	90	I/O	P91/S30
16	I/O	P03/INTP3	41	I/O	P102	66	O	S6	91	I/O	P90/S31
17	I/O	P04/INTP4	42	I/O	P103	67	O	S7	92	I/O	P87/S32
18	I/O	P05/INTP5	43	I/O	P30/TO0	68	O	S8	93	I/O	P86/S33
19	I/O	P110	44	I/O	P31/TO1	69	O	S9	94	I/O	P85/S34
20	I/O	P111	45	I/O	P32/TO2	70	O	S10	95	I/O	P84/S35
21	I/O	P112	46	I/O	P33/TO1	71	O	S11	96	I/O	P83/S36
22	I/O	P113	47	I/O	P34/TO2	72	O	S12	97	I/O	P82/S37
23	I/O	P114	48	I/O	P35/PCL	73	O	S13	98	I/O	P81/S38
24	I/O	P115	49	I/O	P36/BUZ	74	O	S14	99	I/O	P80/S39
25	I/O	P116	50	I/O	P37	75	O	S15	100	I/O	P25/SIO/SB0

INPUT

ANI0 - ANI7 : ANALOG 0 - 7 (A/D CONVERTER)
 ASCK : ASYNCHRONOUS SERIAL CLOCK
 AVREF : ANALOG REFERENCE VOLTAGE (A/D CONVERTER)
 INTP0 - INTP5 : INTERRUPT FROM PERIPHERALS 0 - 5
 P00, P07 : PORT 0
 RESET : RESET
 RXD : RECEIVE DATA
 SI0, SI2 : SERIAL DATA 0, 2
 TIO0 : EXTERNAL COUNT CLOCK 0
 TIO : CAPTURE TRIGGER
 TI1, TI2 : EXTERNAL COUNT CLOCK 1, 2
 X1, X2 : CRYSTAL 1, 2 (MAIN SYSTEM CLOCK)
 XT1, XT2 : CRYSTAL 1, 2 (SUB SYSTEM CLOCK)

OUTPUT

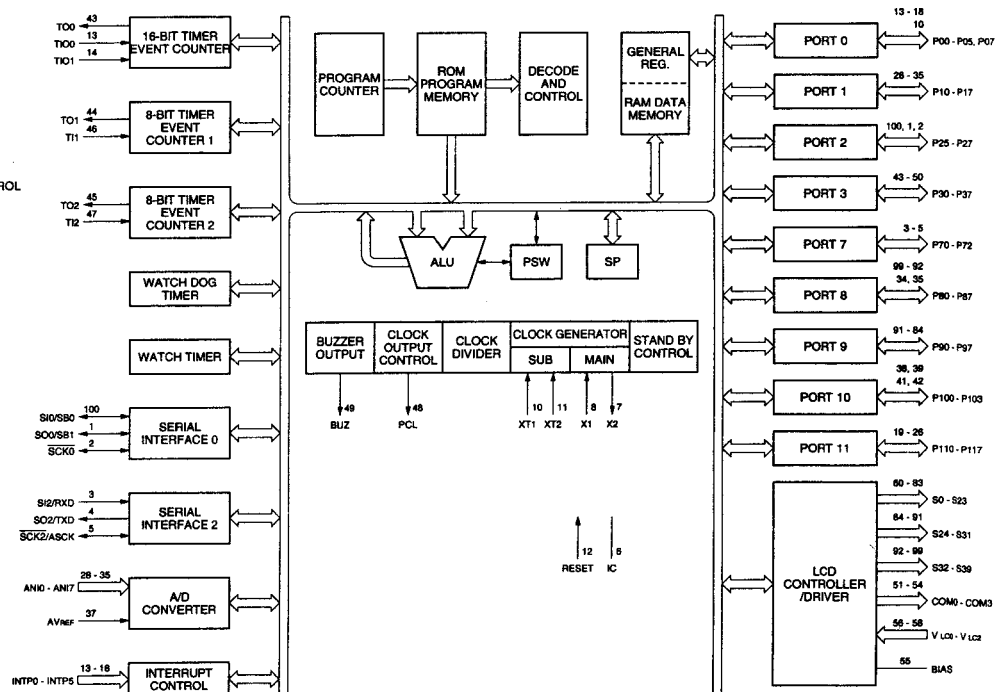
BUZ : BUZZER CLOCK
 COM0 - COM3 : COMMON DATA
 PCL : PROGRAMMABLE CLOCK
 S0 - S39 : SEGMENT DATA
 SO0, SO2 : SERIAL DATA 0, 2
 TO0 - TO2 : TIMER 0 - 2
 TXD : TRANSMIT DATA

INPUT/OUTPUT

P01 - P05 : PORT 0
 P10 - P17 : PORT 1
 P25 - P27 : PORT 2
 P30 - P37 : PORT 3
 P70 - P72 : PORT 7
 P80 - P87 : PORT 8
 P90 - P97 : PORT 9
 P100 - P103 : PORT 10
 P110 - P117 : PORT 11
 SB0, SB1 : SERIAL DATA BUS 0, 1
 SCK0, SCK2 : SERIAL CLOCK 0, 2

OTHER

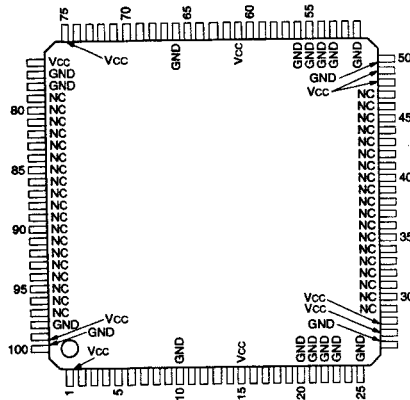
BIAS : LCD POWER SUPPLY BIAS CONTROL
 IC : INTERNALLY CONNECTED
 V_{LC0} - V_{LC2} : LCD POWER SUPPLY



ZA4024 (TI)

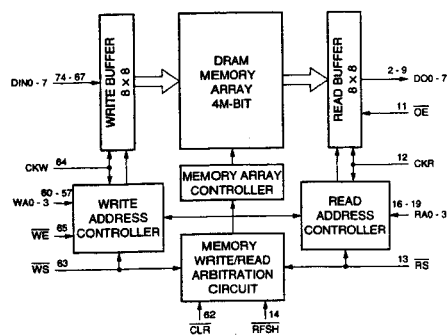
SIGNAL PROCESSOR FOR DIGITAL VCR

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	Vcc	21	—	GND	41	—	NC	61	—	Vcc	81	—	NC
2	O	DO0	22	—	GND	42	—	NC	62	I	CLR	82	—	NC
3	O	DO1	23	—	GND	43	—	NC	63	I	WS	83	—	NC
4	O	DO2	24	I	RFSEL	44	—	NC	64	I	CKW	84	—	NC
5	O	DO3	25	—	GND	45	—	NC	65	I	WE	85	—	NC
6	O	DO4	26	—	GND	46	—	NC	66	—	GND	86	—	NC
7	O	DO5	27	—	Vcc	47	—	NC	67	I	DIN7	87	—	NC
8	O	DO6	28	—	Vcc	48	—	Vcc	68	I	DIN6	88	—	NC
9	O	DO7	29	—	NC	49	—	Vcc	69	I	DIN5	89	—	NC
10	—	GND	30	—	NC	50	—	GND	70	I	DIN4	90	—	NC
11	I	OE	31	—	NC	51	—	GND	71	I	DIN3	91	—	NC
12	I	CKR	32	—	NC	52	I	WFSEL	72	I	DIN2	92	—	NC
13	I	RS	33	—	NC	53	—	GND	73	I	DIN1	93	—	NC
14	I	RFSH	34	—	NC	54	—	GND	74	I	DIN0	94	—	NC
15	—	Vcc	35	—	NC	55	—	GND	75	—	Vcc	95	—	NC
16	I	RA0	36	—	NC	56	—	GND	76	—	Vcc	96	—	NC
17	I	RA1	37	—	NC	57	I	WA3	77	—	GND	97	—	NC
18	I	RA2	38	—	NC	58	I	WA2	78	—	GND	98	—	GND
19	I	RA3	39	—	NC	59	I	WA1	79	—	NC	99	—	Vcc
20	—	GND	40	—	NC	60	I	WA0	80	—	NC	100	—	GND

DIN0 - DIN7 : DATA INPUTS
 DO0 - DO7 : DATA OUTPUTS
 CKR : READ CLOCK INPUT
 CKW : WRITE CLOCK INPUT
 CLR : RESET INPUT
 OE : OUTPUT ENABLE INPUT
 RA0 - RA3 : READ ADDRESS INPUT
 RFSEL : READ FIELD SELECT INPUT
 RFSH : REFRESH CONTROL INPUT
 RS : READ ADDRESS STROBE INPUT
 WA0 - WA3 : WRITE ADDRESS INPUTS
 WE : WRITE ENABLE INPUT
 WFSEL : WRITE FIELD SELECT INPUT
 WS : WRITE ADDRESS STROBE INPUT

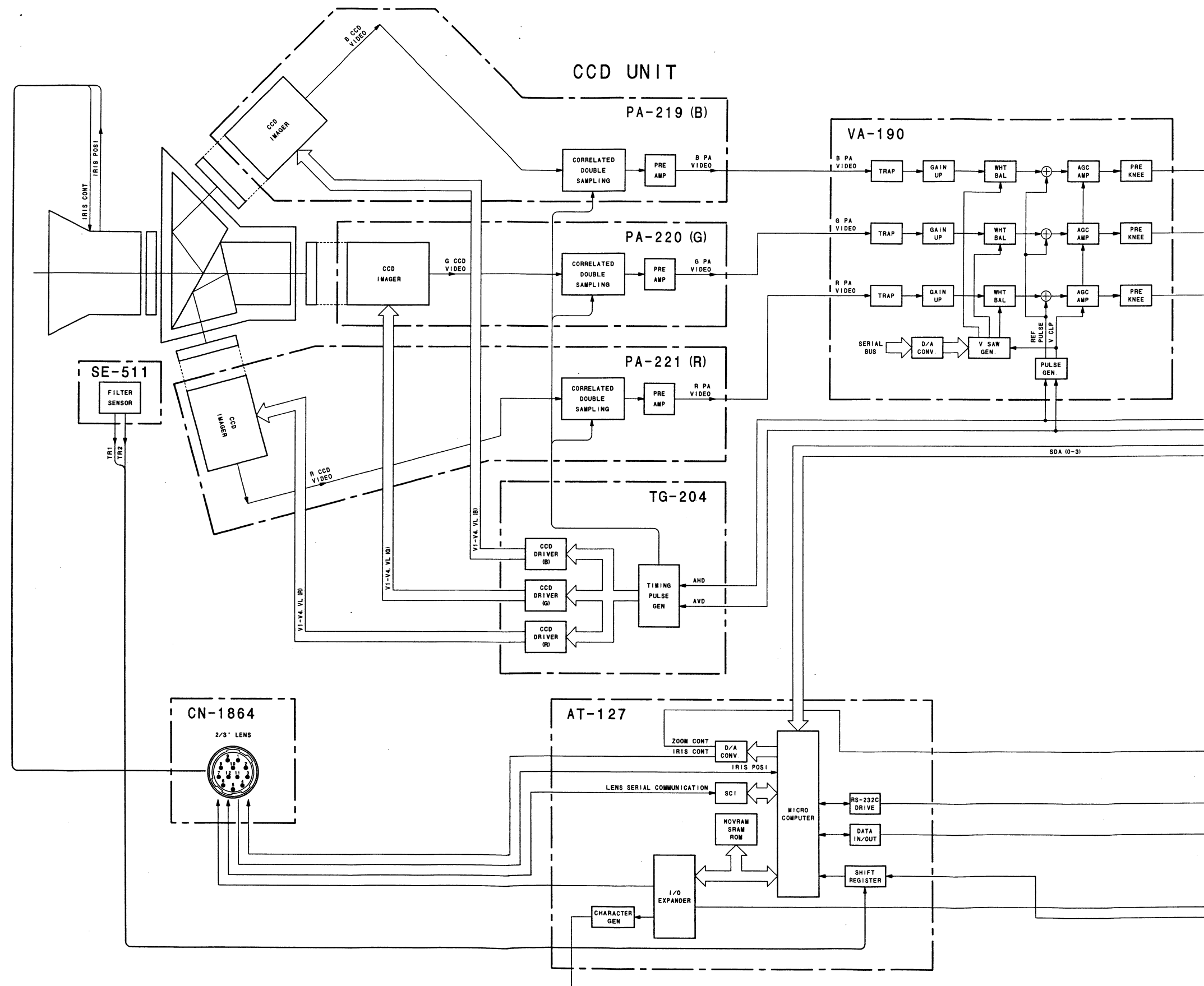


BLOCK DIAGRAMS

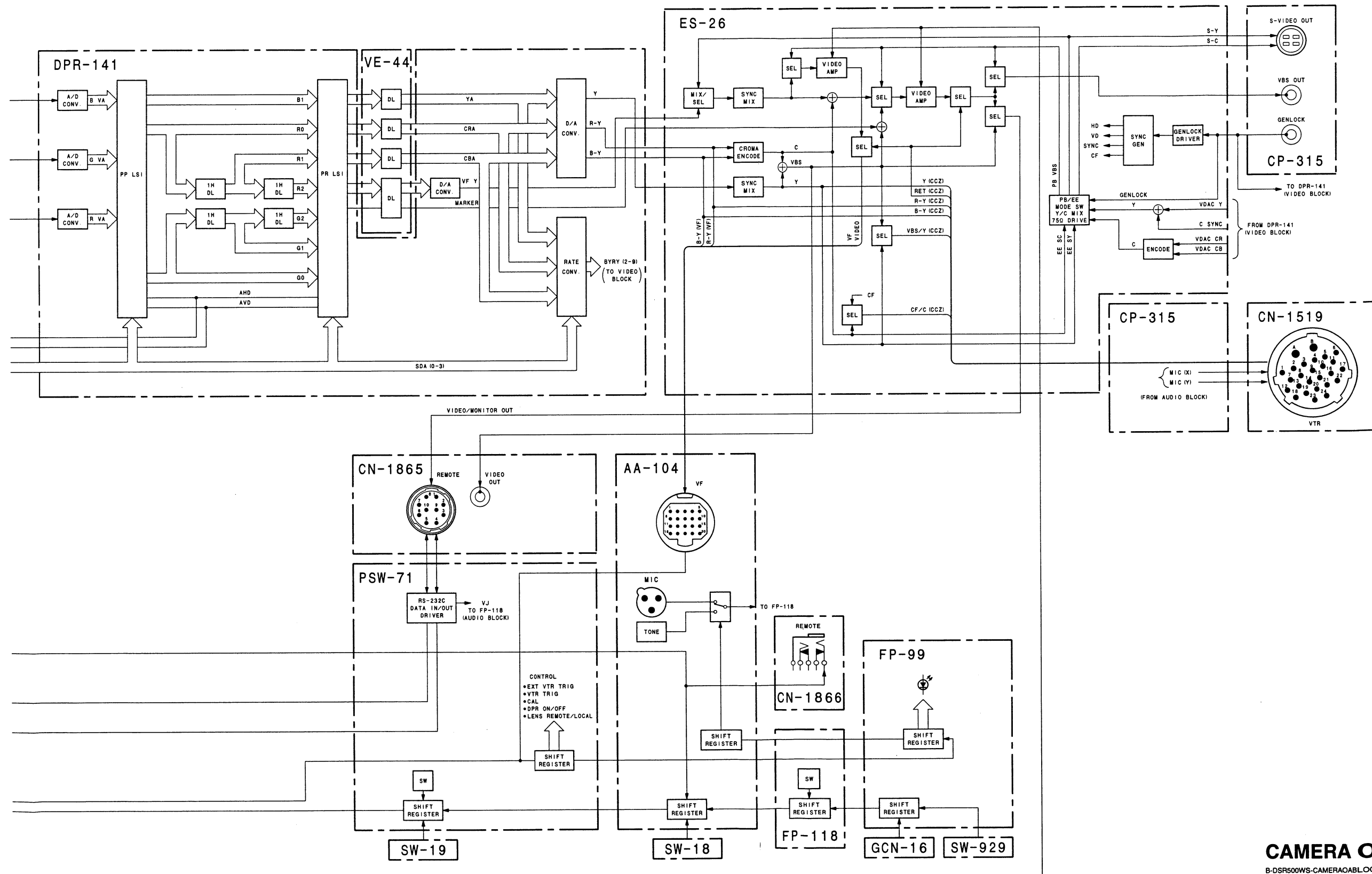
CONFIGURATION



CAMERA OVERALL CAMERA OVERALL

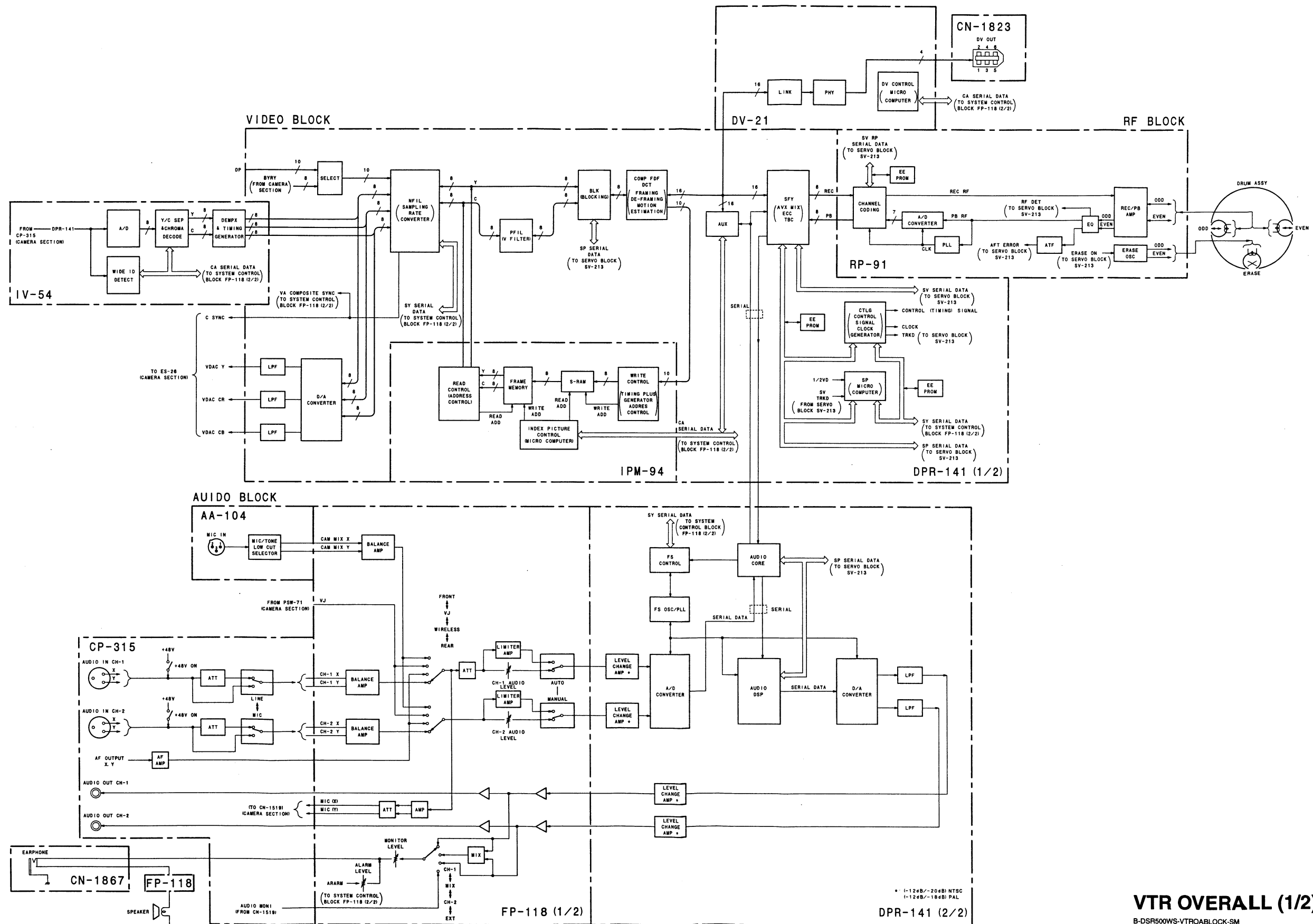


CAMERA OVERALL CAMERA OVERALL



CAMERA OVERALL
B-DSR500WS-CAMERA0ABLOCK-SM

VTR OVERALL (1/2) VTR OVERALL (1/2)

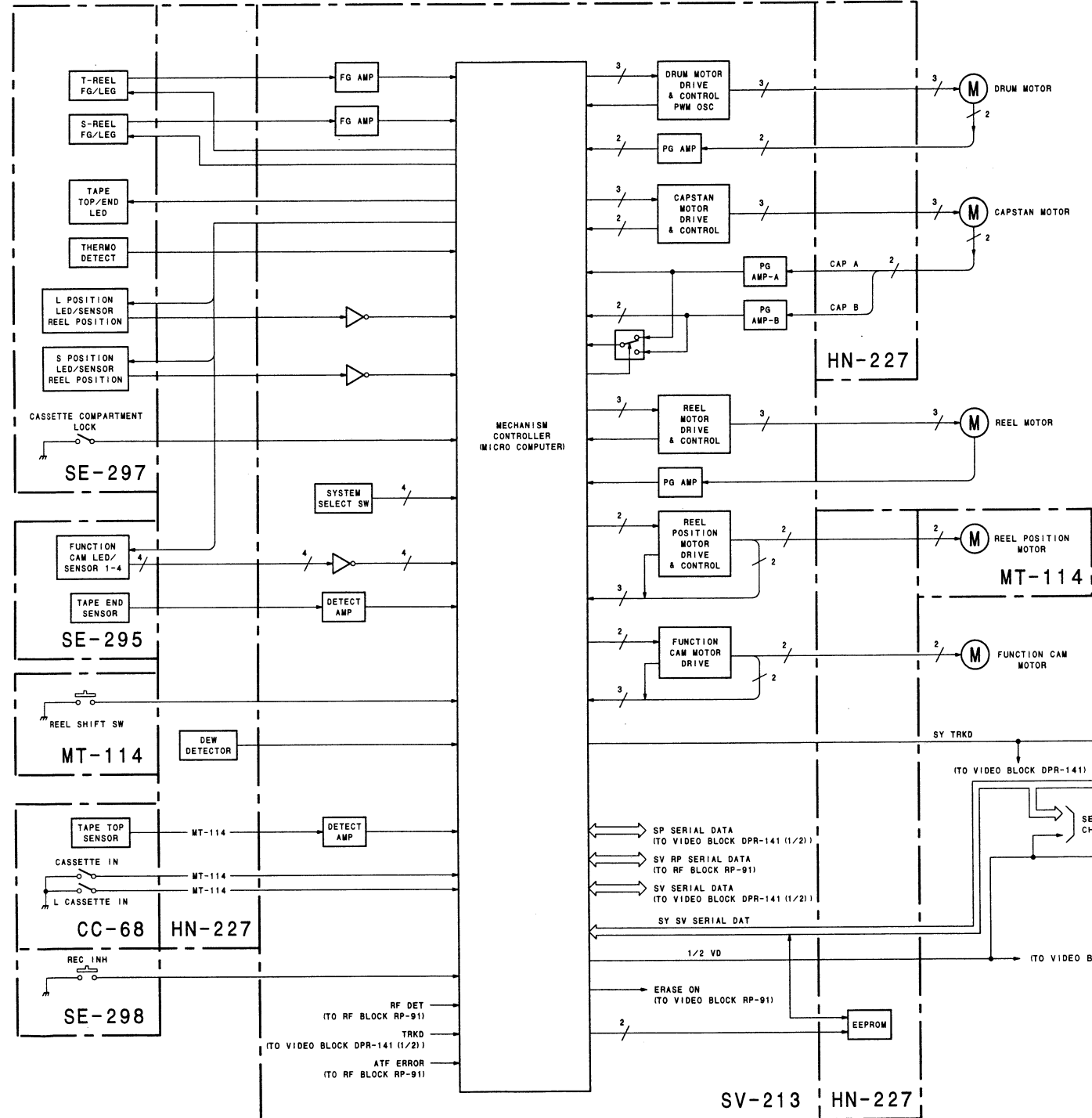


VTR OVERALL (1/2)

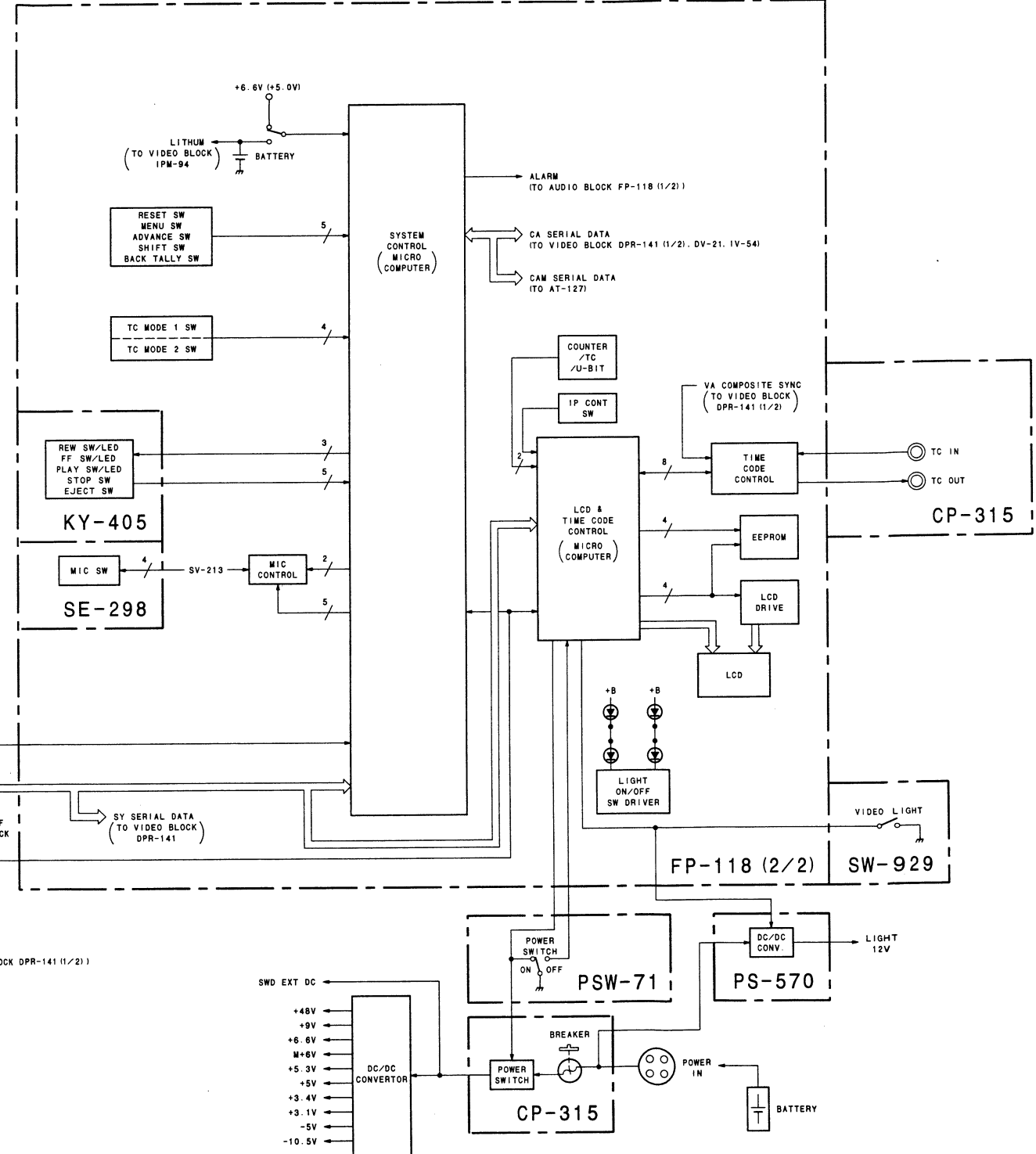
B-DSR500WS-VTROABLOCK-SM

DSR-500WS/500WSP/V2

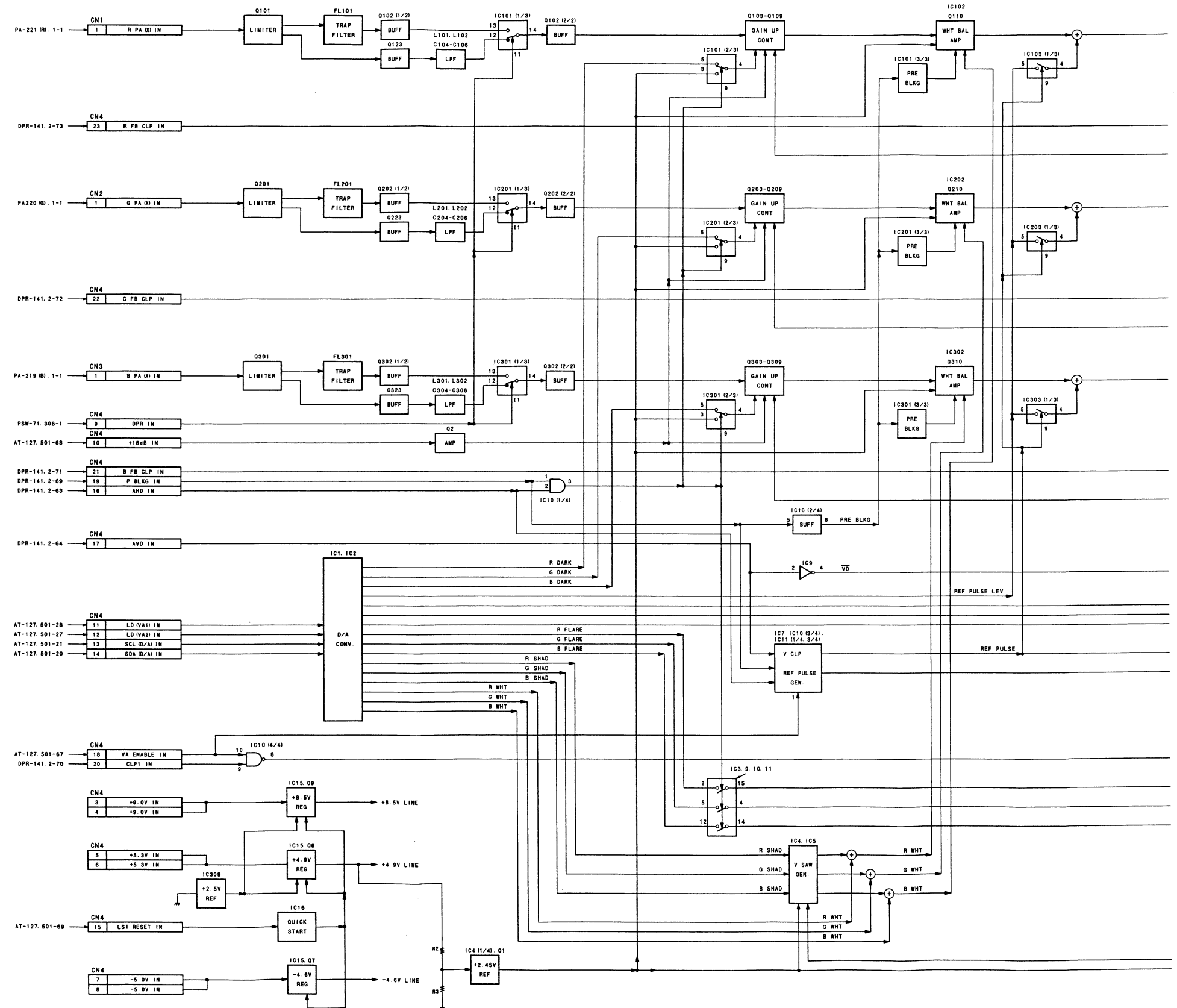
SERVO BLOCK



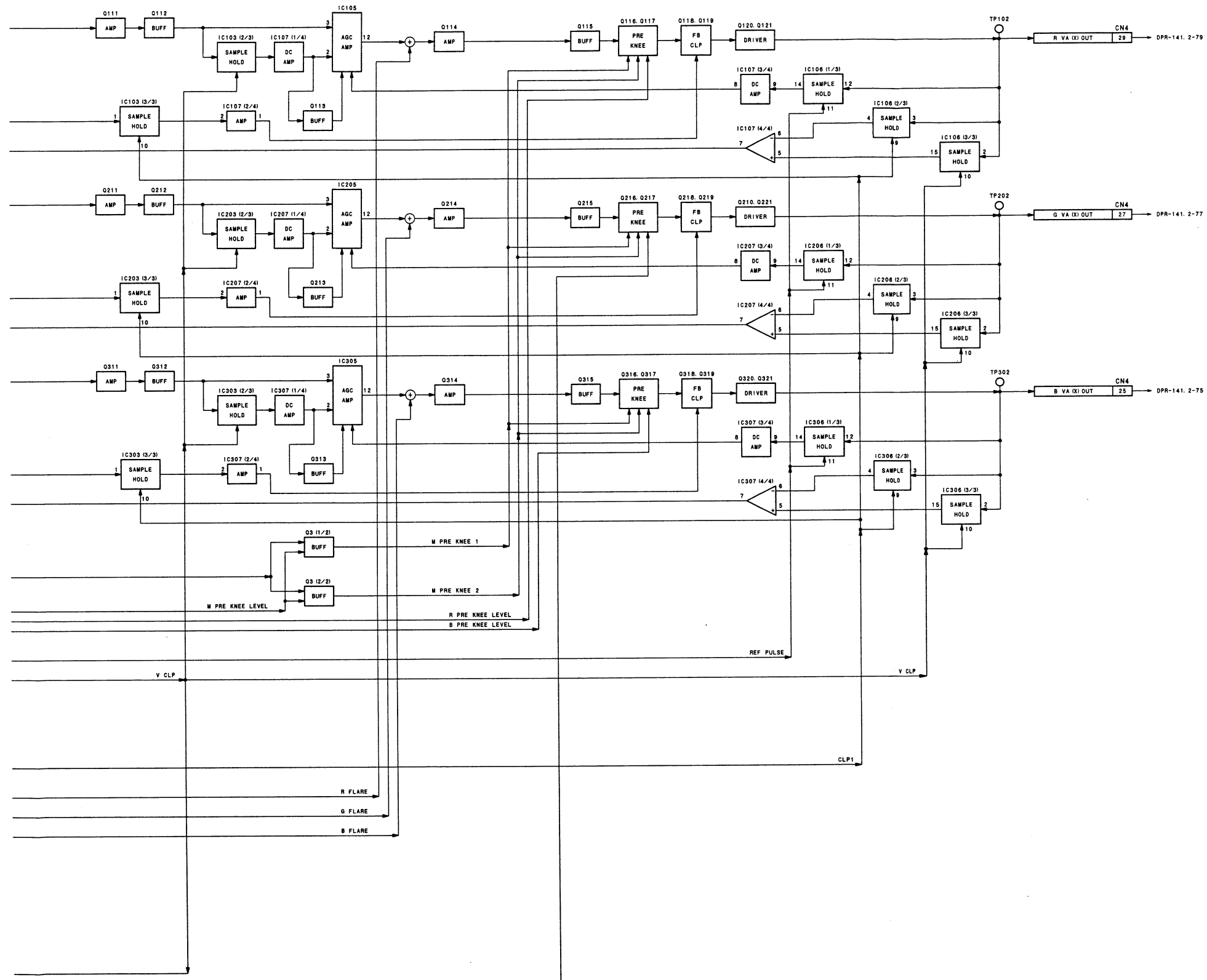
SYSTEM CONTROL & POWER BLOCK



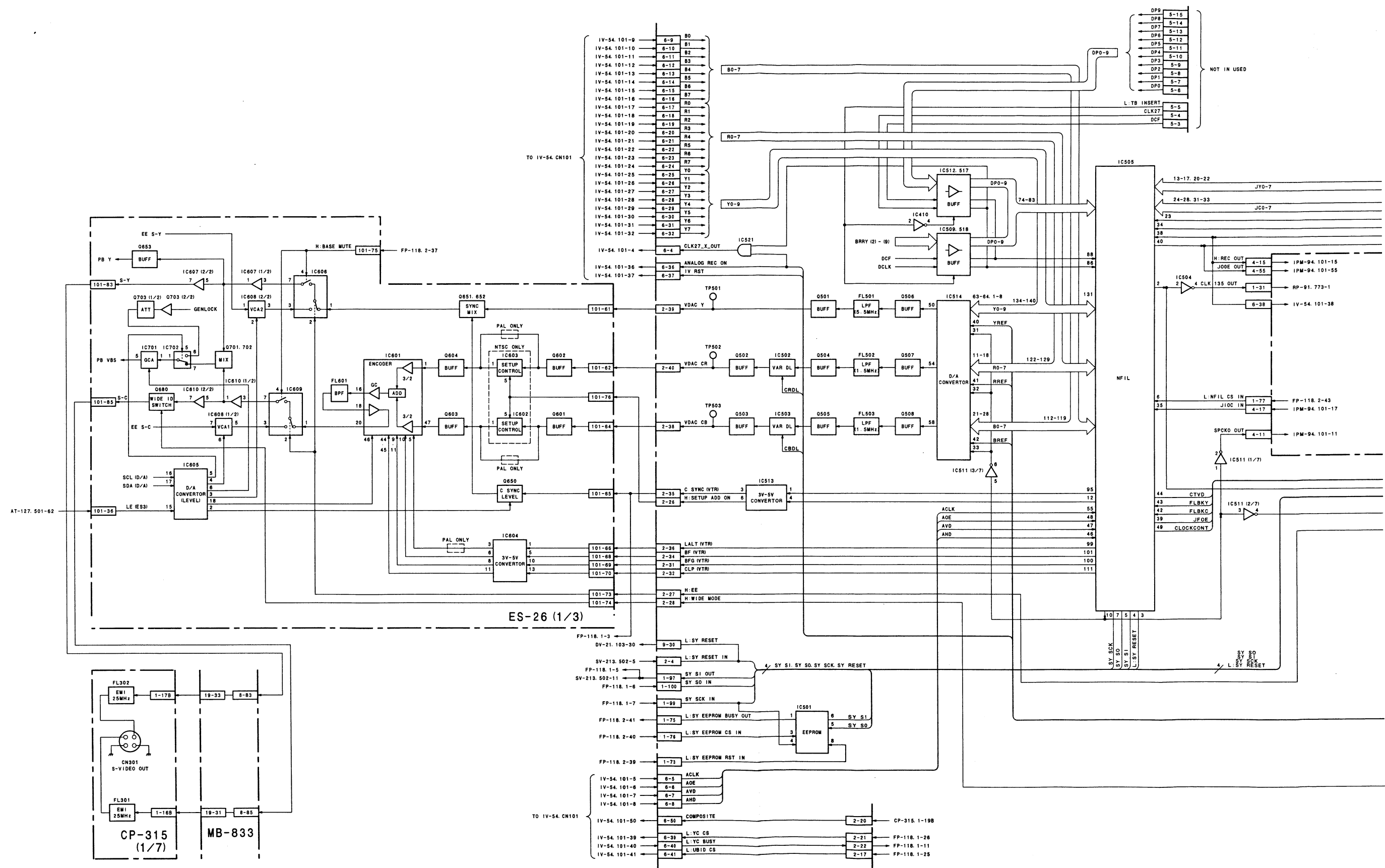
VA-190 BLOCK VA-190 BLOCK



VA-190 BLOCK VA-190 BLOCK



VA-190 BLOCK
B-DSR500WS-VA190BLOCK-SM





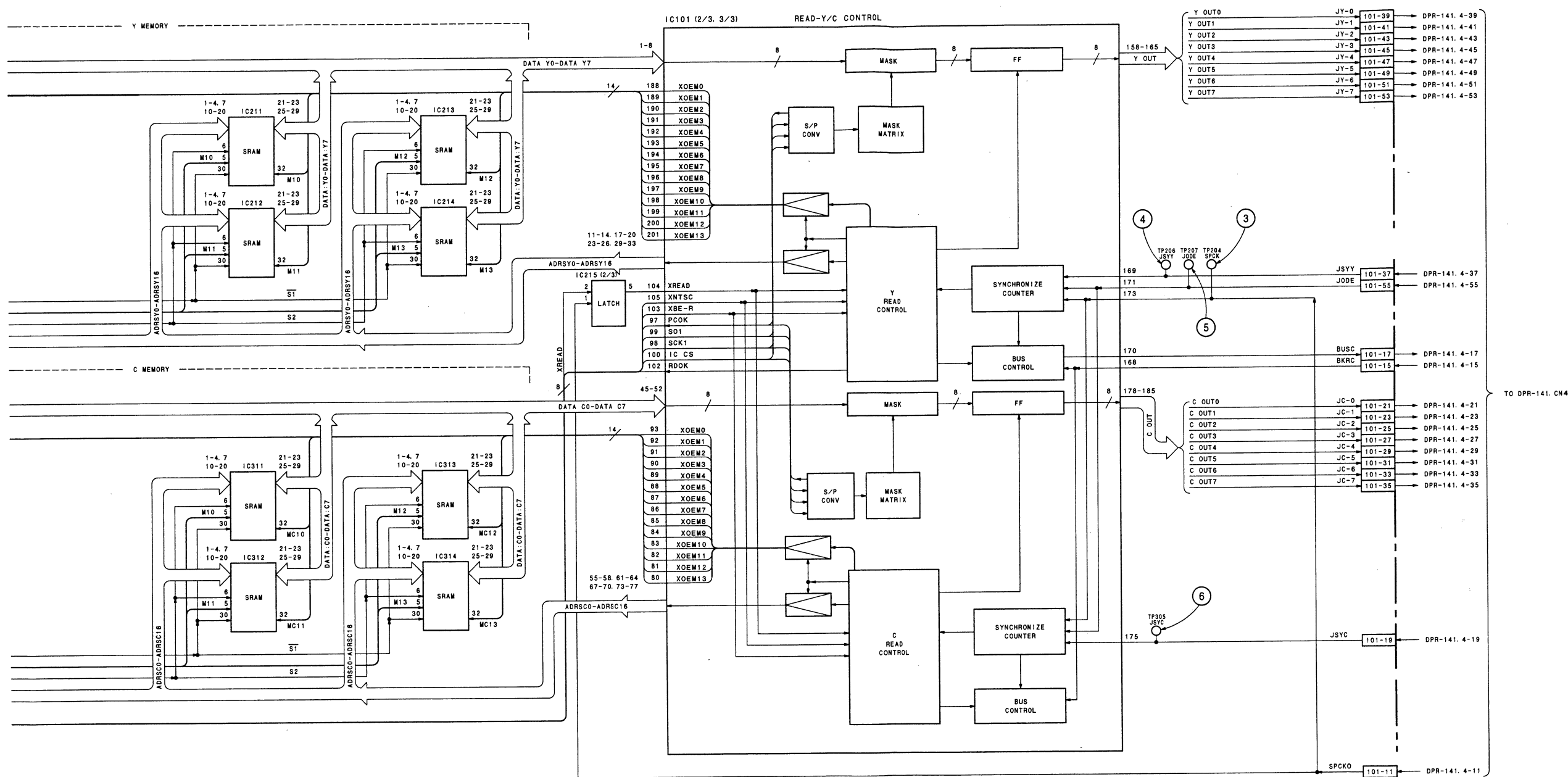
DPR-141 BLOCK (3/3)



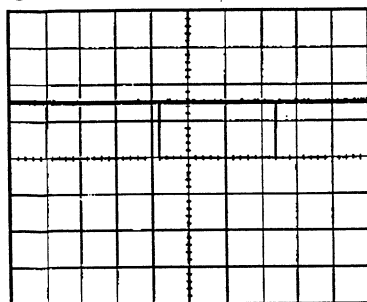
IPM-94 BLOCK



A blank 10x10 grid for graphing, with a horizontal axis and a vertical axis intersecting at the center.

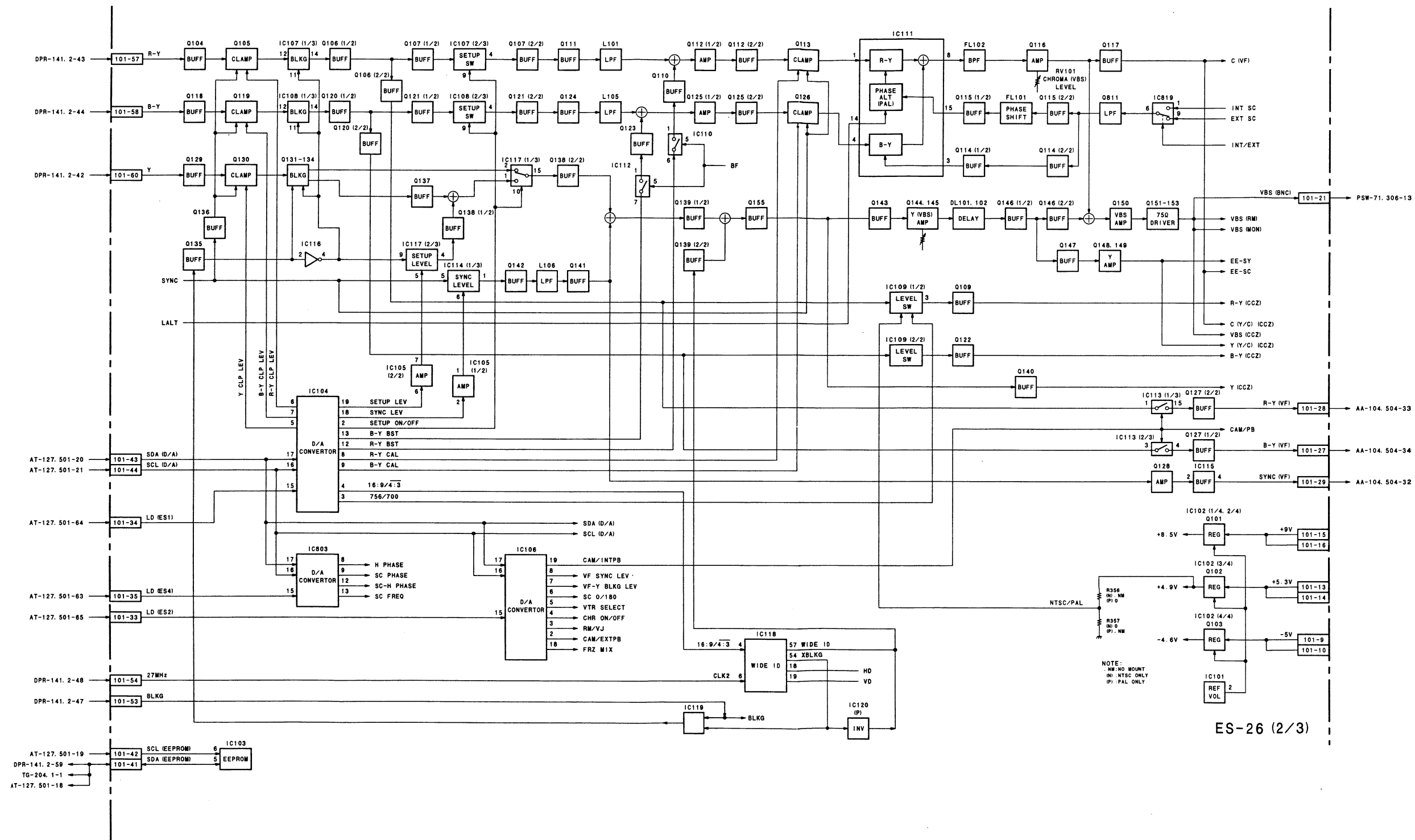


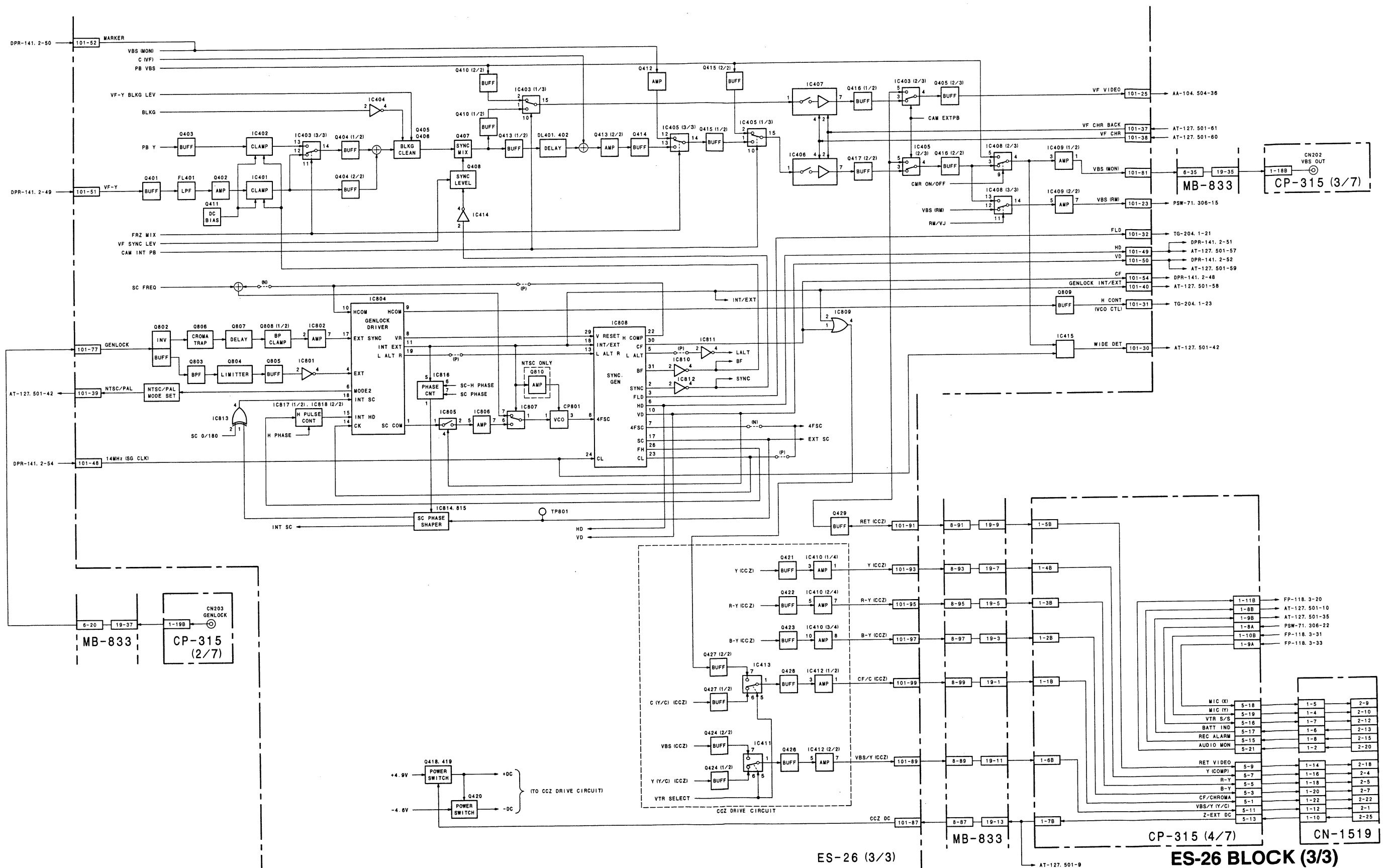
⑥ TP305 EE/REC mode



Measurement Condition
Y, R-Y, B-Y : 75% COLOR BARS
SETUP 7.5% (for NTSC)
100% COLOR BARS (for PAL)

EE mode
REC mode

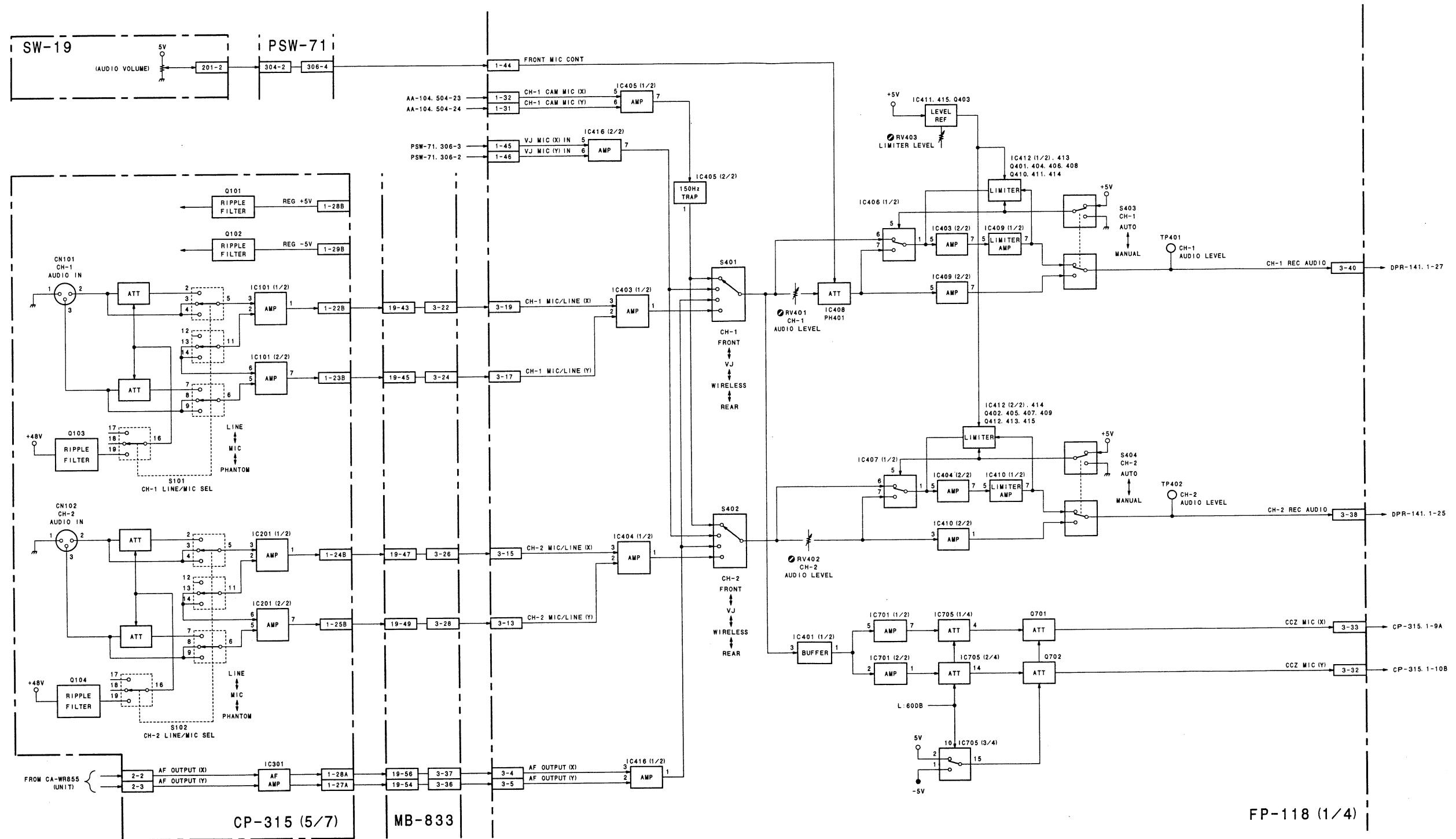




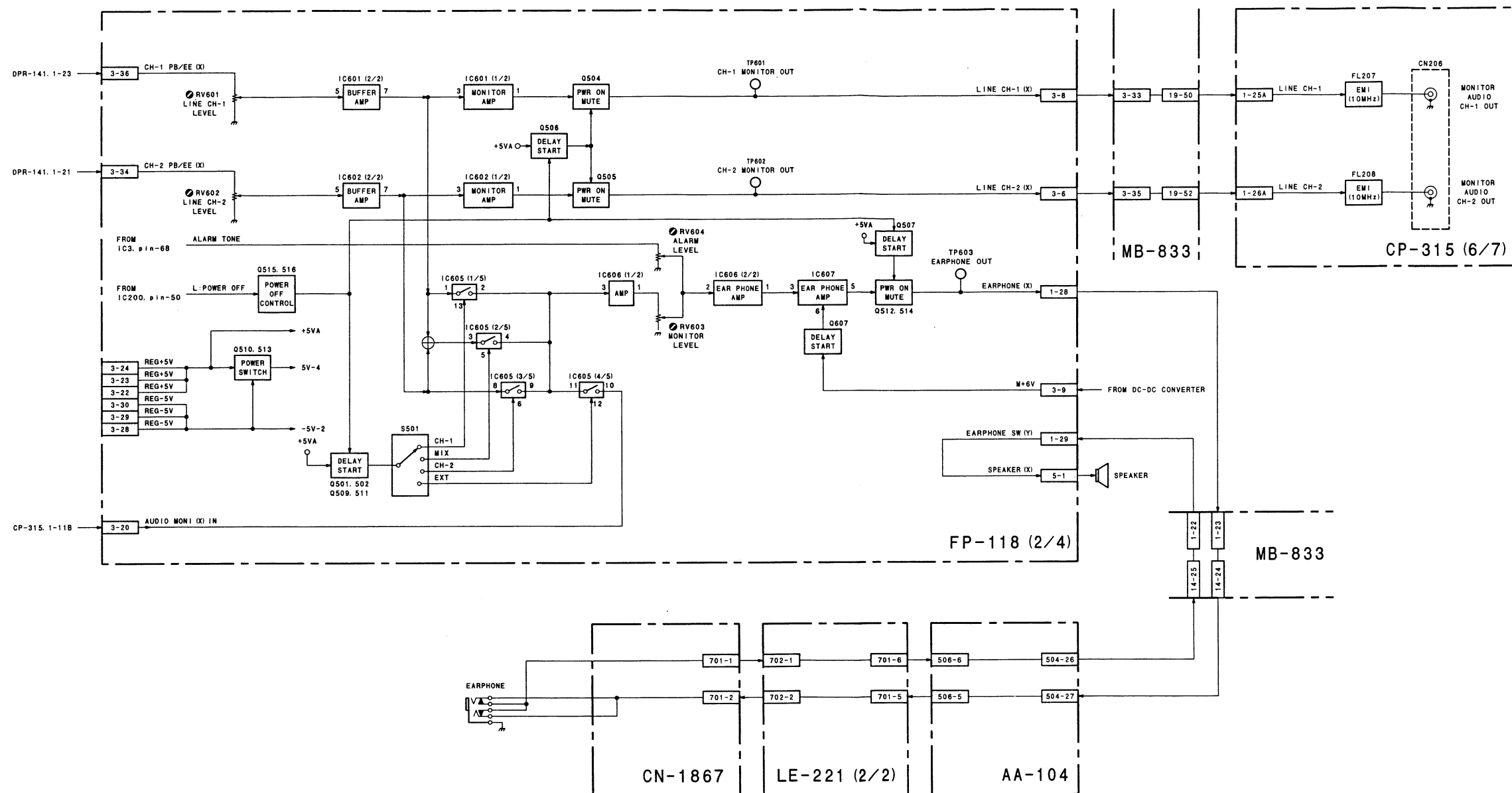
ES-26 (3/3)

ES-26 BLOCK (3/3)
CN-1519 BLOCK
CP-315 BLOCK (2/7) (3/7) (4/7)

B-DSR500WS-ES26BLOCK-SM



AUDIO (1/2)
CP-315 BLOCK (5/7)
FP-118 BLOCK (1/4)
SW-19 BLOCK
 B-DSR500WS-AUDIOBLOCK-SM

**AUDIO (2/2)**

AA-104 BLOCK

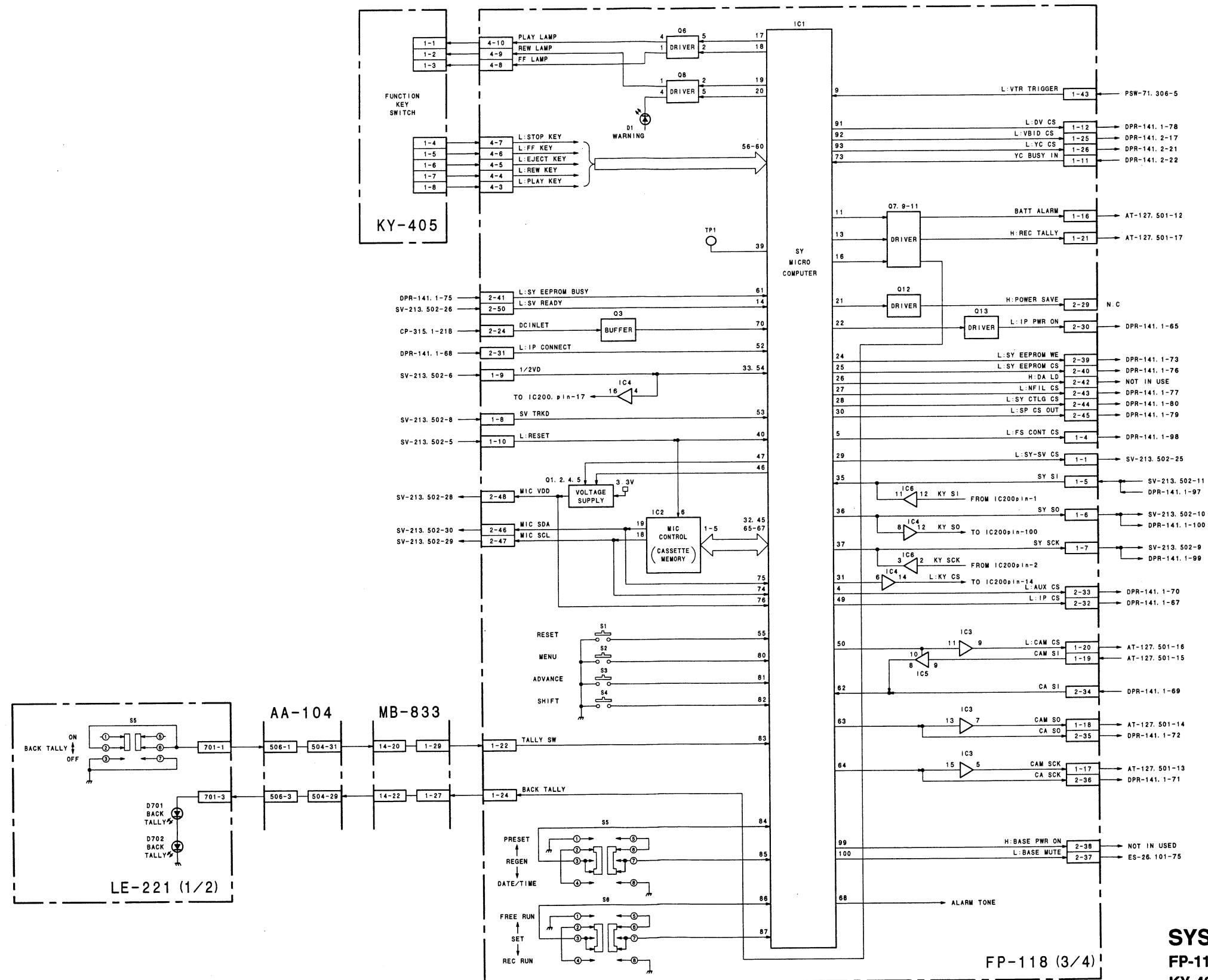
CP-315 BLOCK (6/7)

CN-1867 BLOCK

FP-118 BLOCK (2/4)

LE-221 BLOCK (2/2)

B-DSR500WS-AUDIOBLOCK-SM



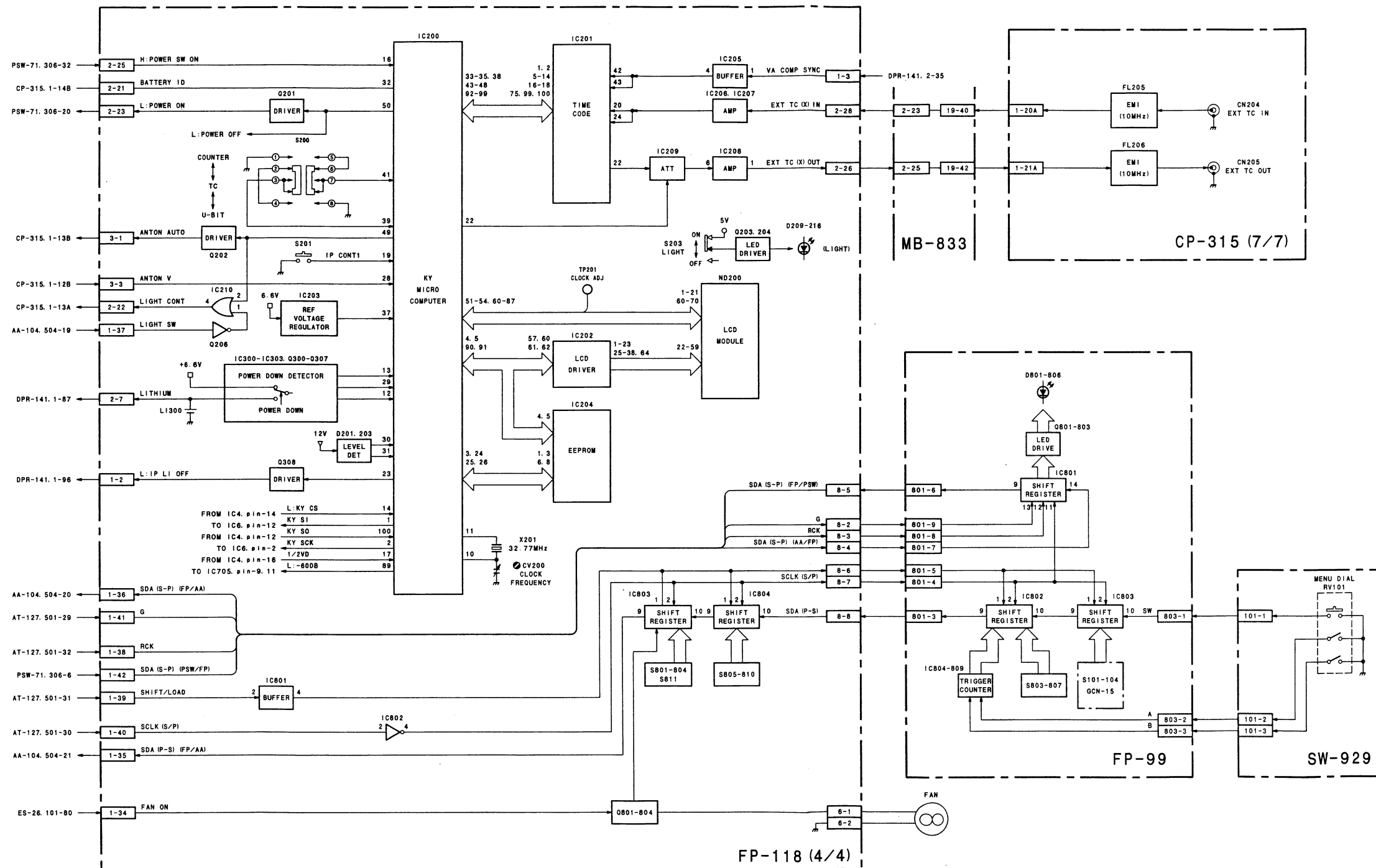
SYSTEM CONTROL (1/2)

FP-118 BLOCK (3/4)

KY-405 BLOCK

LE-221 BLOCK (1/2)

B-DSR500WS-SYSCONBLOCK-SM



SYSTEM CONTROL (2/2)

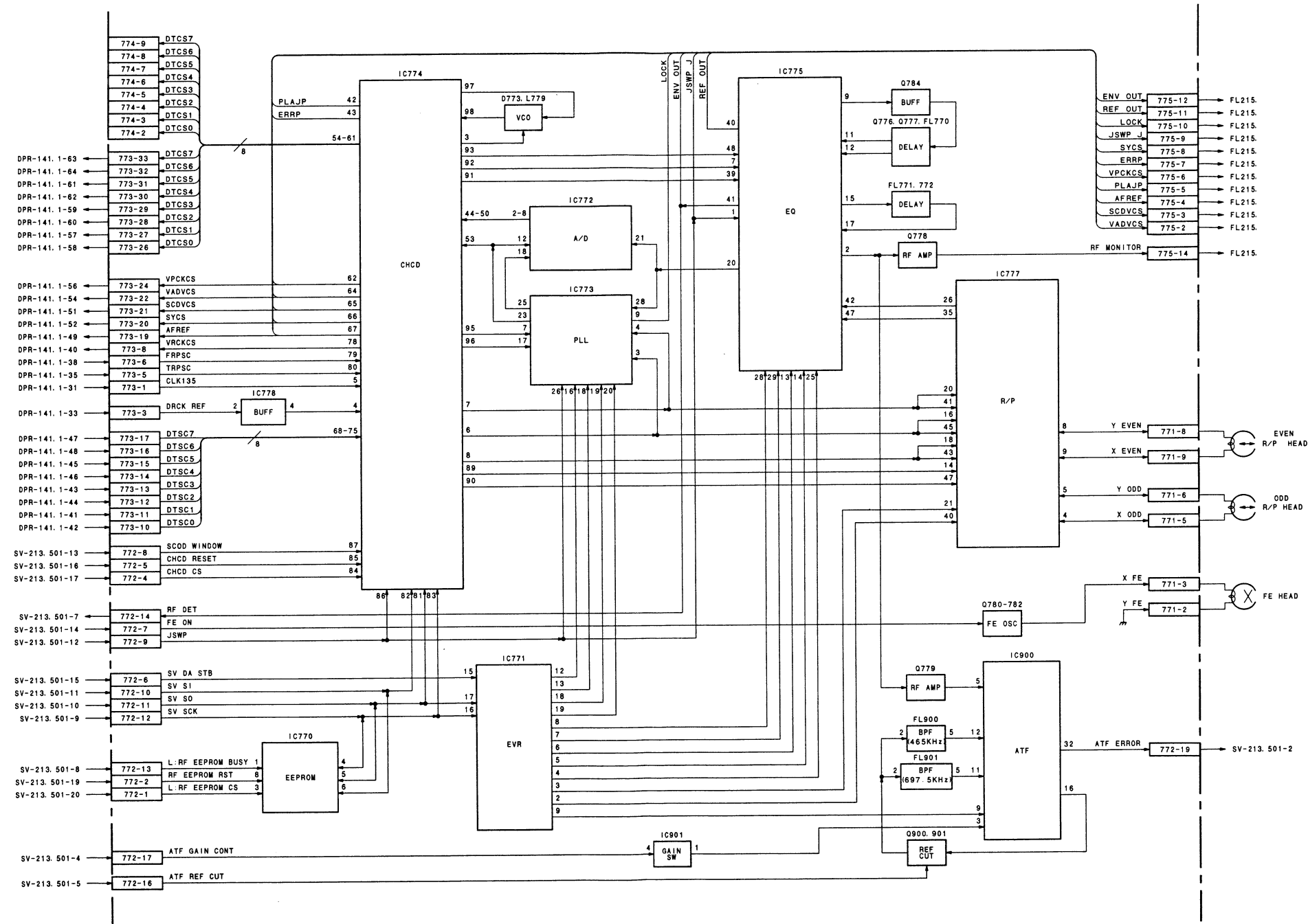
CP-315 BLOCK (7/7)

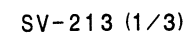
FP-118 BLOCK (4/4)

FP-99 BLOCK

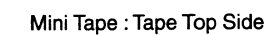
SW-929 BLOCK

B-DSR500WS-SYSCONBLOCK-SM

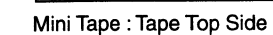




Mini Tape : Tape Top Side

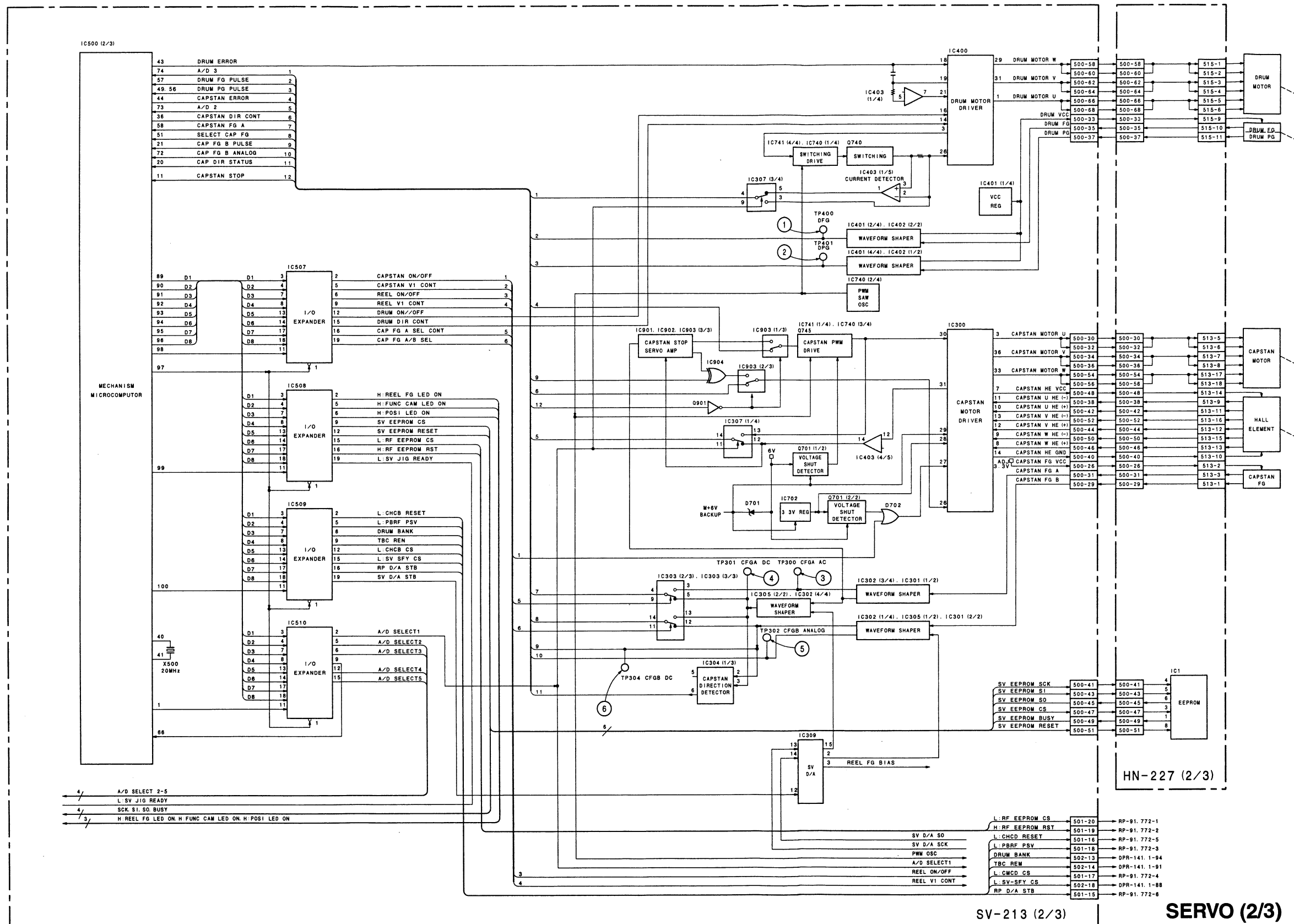


Mini Tape : Tape Top Side

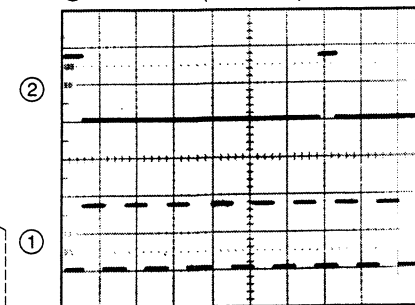


REC mode
PB mode : XH5-1A (for NTSC)
75% COLOR BARS
XH5-1AP (for PAL)
100% COLOR BARS

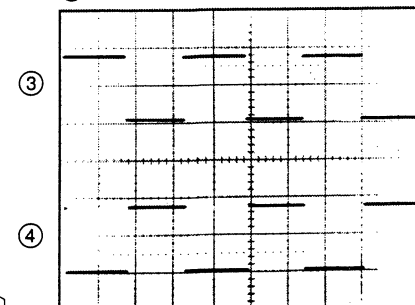
B-DSR500WS-SERVOBLOCK-SM



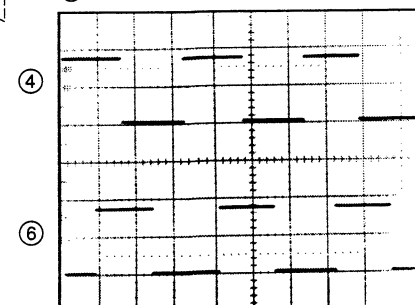
- ① TP400 EE (STBY-ON) /REC/PB mode
② TP401 EE (STBY-ON) /REC/PB mode



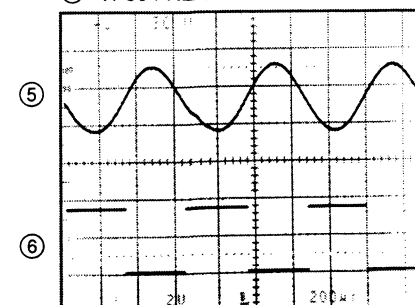
- ③ TP300 REC/PB mode
④ TP301 REC/PB mode



- ④ TP301 REC/PB mode
⑥ TP304 REC/PB mode



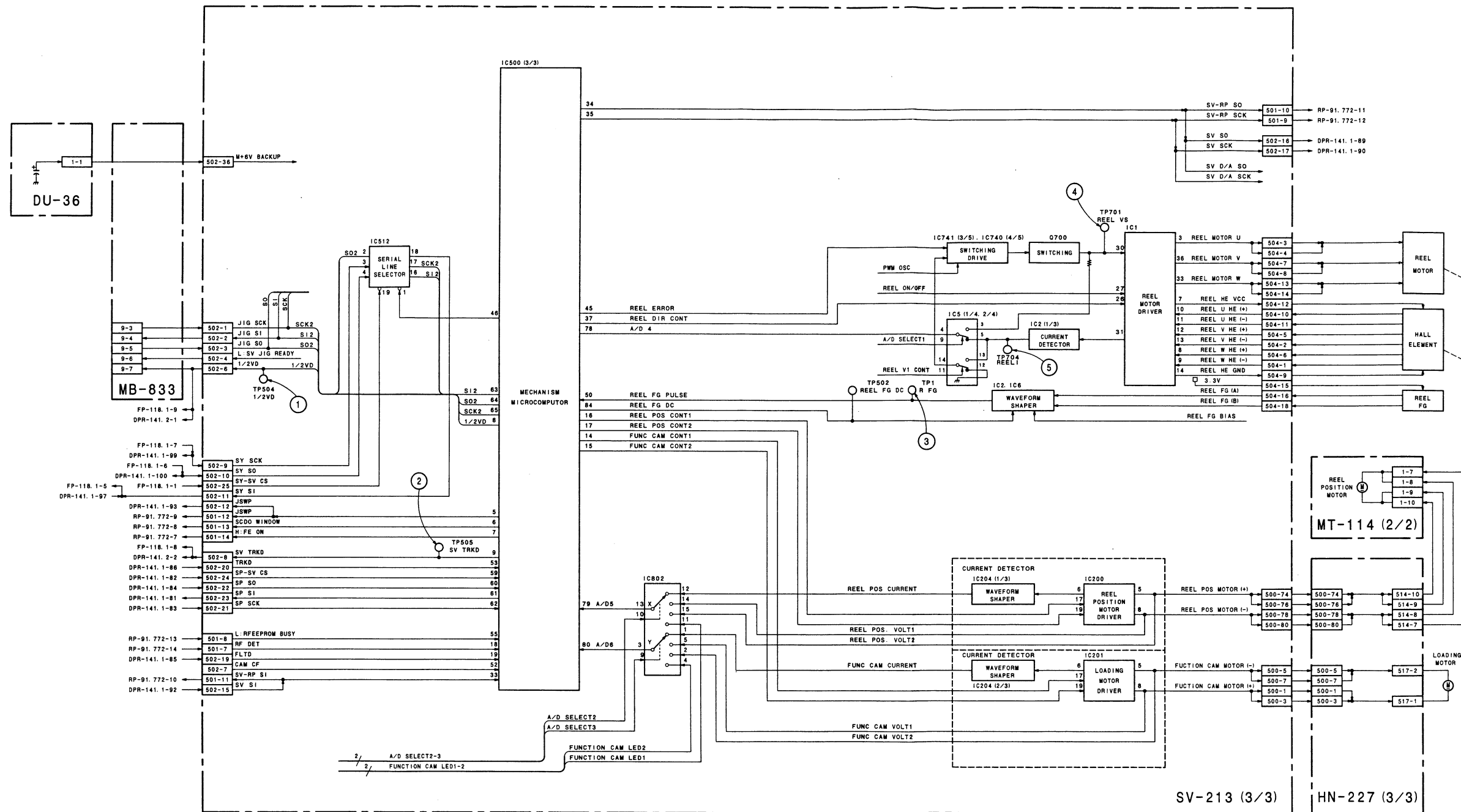
- ⑤ TP302 REC/PB mode
⑥ TP304 REC/PB mode



Measurement Condition
Y, R-Y, B-Y : 75% COLOR BARS
SETUP 7.5% (for NTSC)
100% COLOR BARS (for PAL)

EE mode
REC mode
PB mode : XH5-1A (for NTSC)
75% COLOR BARS
XH5-1AP (for PAL)
100% COLOR BARS

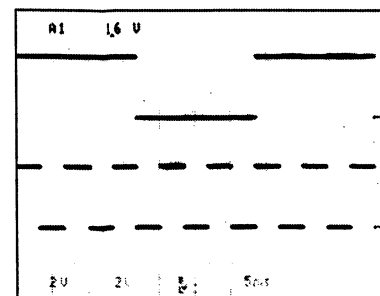
SERVO (2/3)
HN-227 BLOCK (2/3)
SV-213 BLOCK (2/3)
B-DSR500WS-SERVOBLOCK-SM



SERVO (3/3)
DU-36 BLOCK
HN-227 BLOCK (3/3)
MB-833 BLOCK
MT-114 BLOCK (2/2)
SV-213 BLOCK (3/3)
 B-DSR500WS-SERVOBLOCK-SM

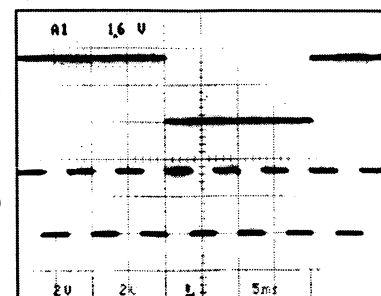
<NTSC>

- ① TP504 EE/REC/PB mode
 ② TP505 EE/REC/PB mode

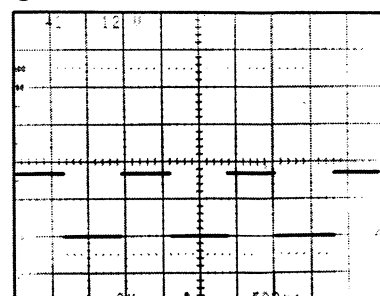


<PAL>

- ① TP504 EE/REC/PB mode
 ② TP505 EE/REC/PB mode



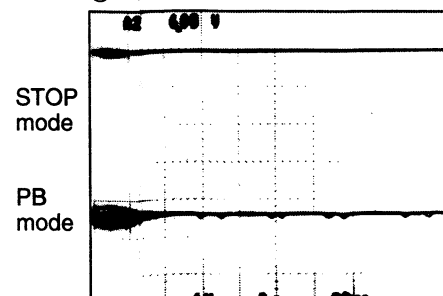
- ③ TP1 REC/PB mode



Mini Tape : Tape Top Side

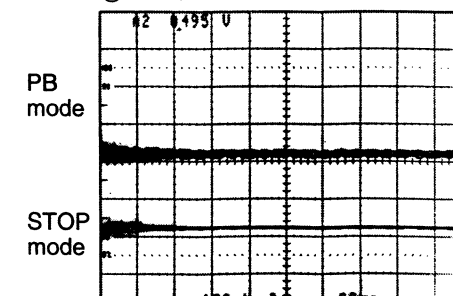
3-24

- ④ TP701



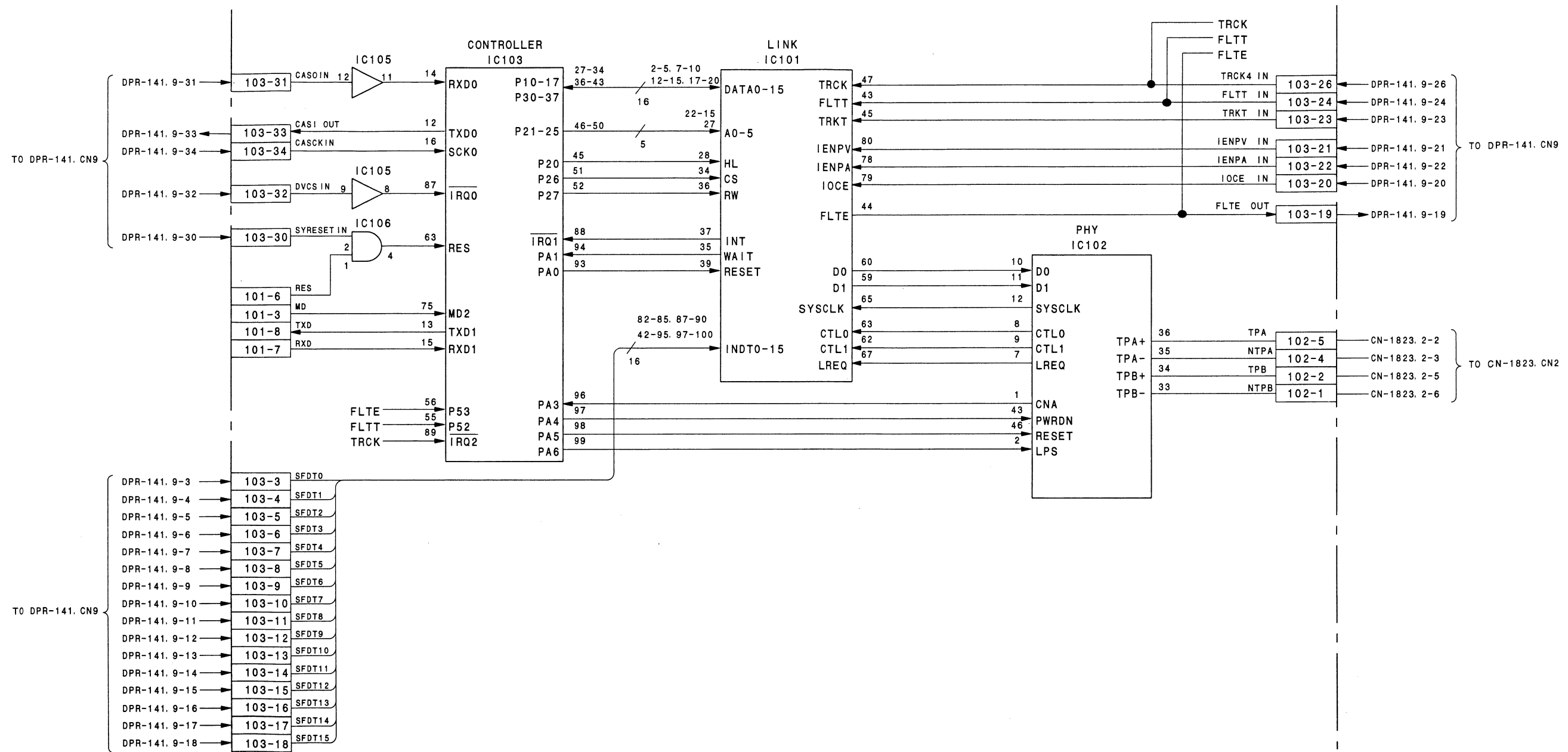
3-24

- ⑤ TP704



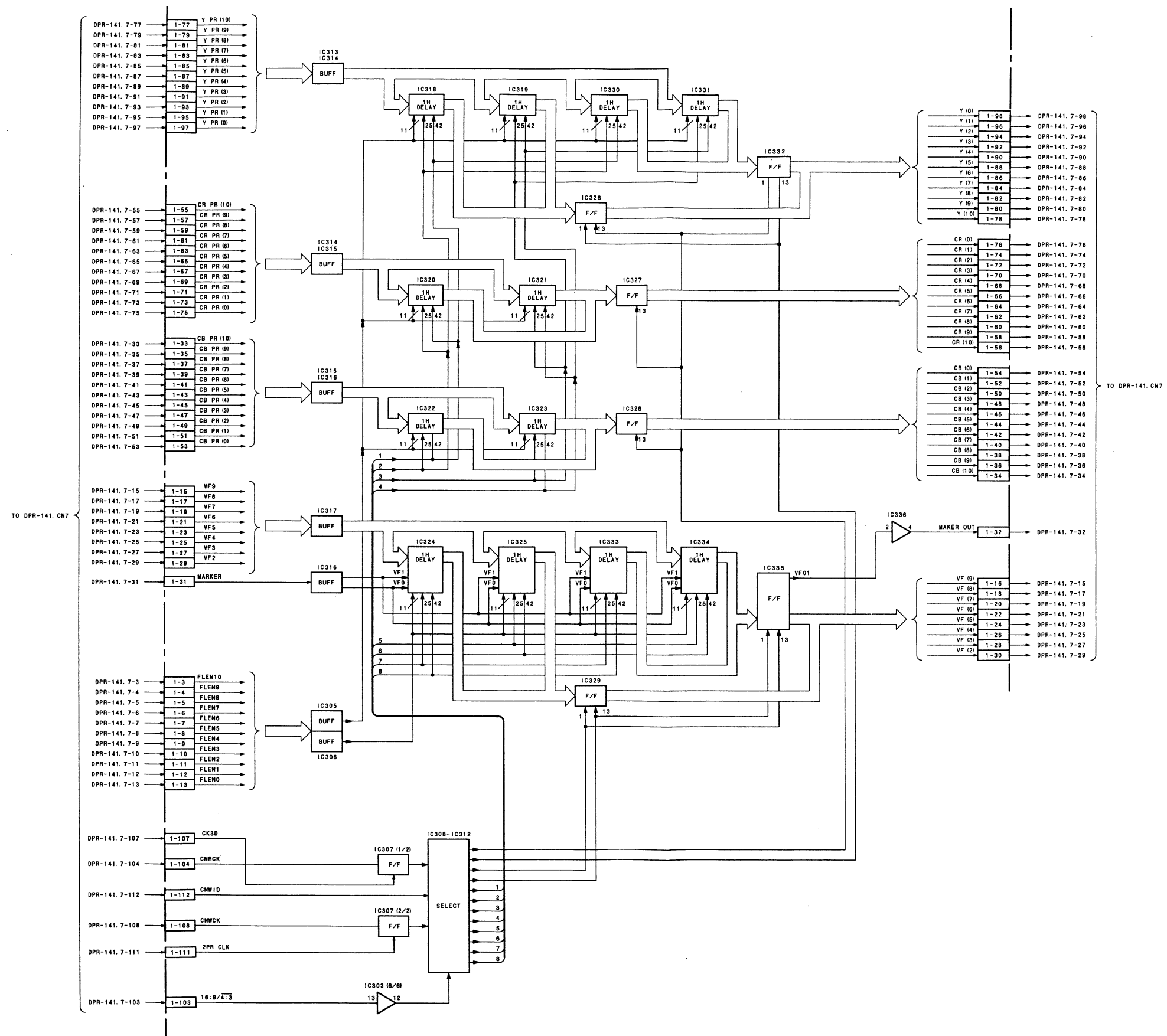
Measurement Condition
 Y, R-Y, B-Y : 75% COLOR BARS
 SETUP 7.5% (for NTSC)
 100% COLOR BARS (for PAL)
 EE mode
 REC mode
 PB mode : XH5-1A (for NTSC)
 75% COLOR BARS
 XH5-1AP (for PAL)
 100% COLOR BARS

DV-21 BLOCK DV-21 BLOCK

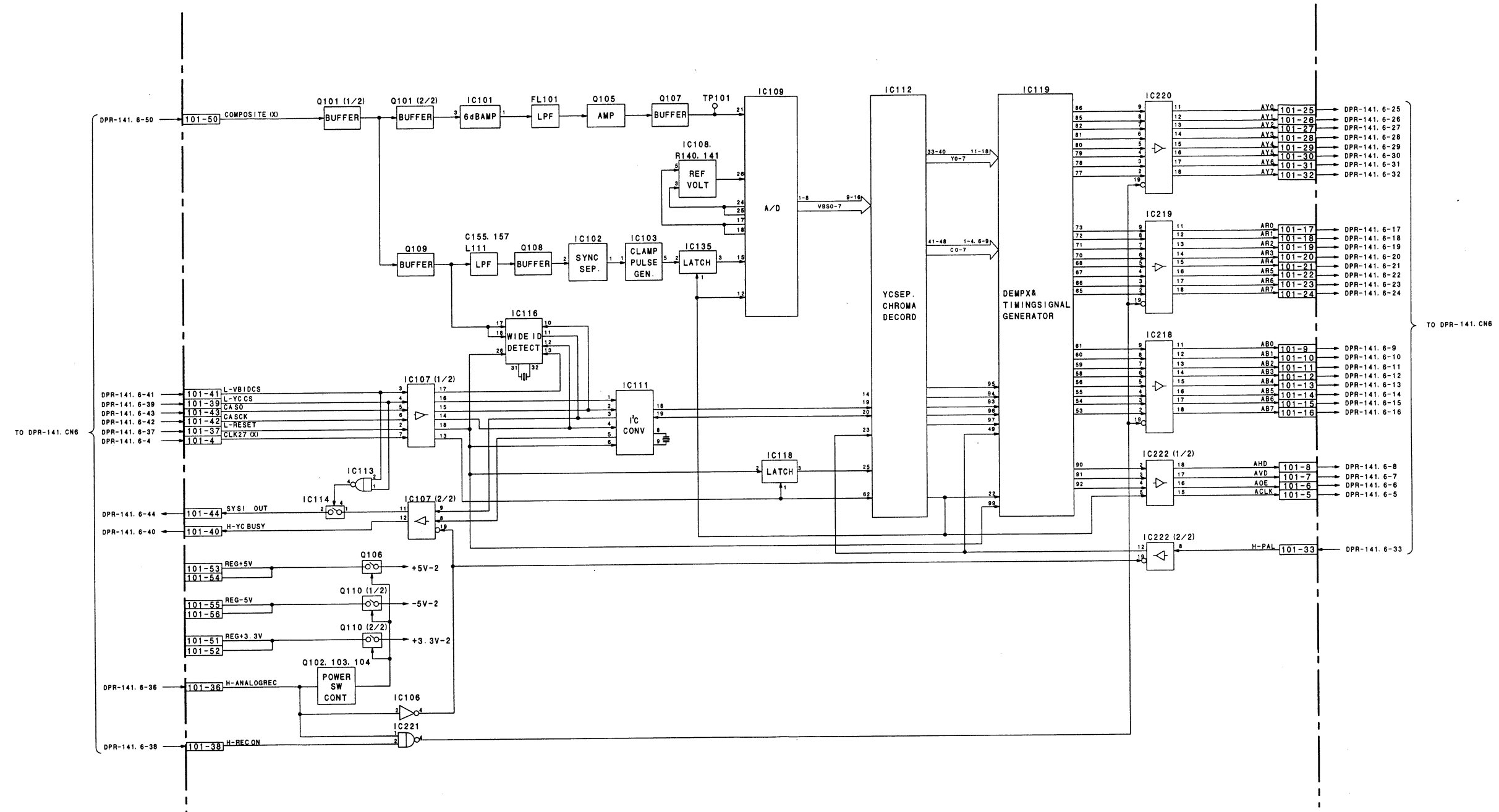


DV-21 BLOCK
B-DSR500WS-DV21BLOCK-SM

VE-44 BLOCK VE-44 BLOCK



IV-54 BLOCK IV-54 BLOCK



(OPTION BOARD)
IV-54 BLOCK

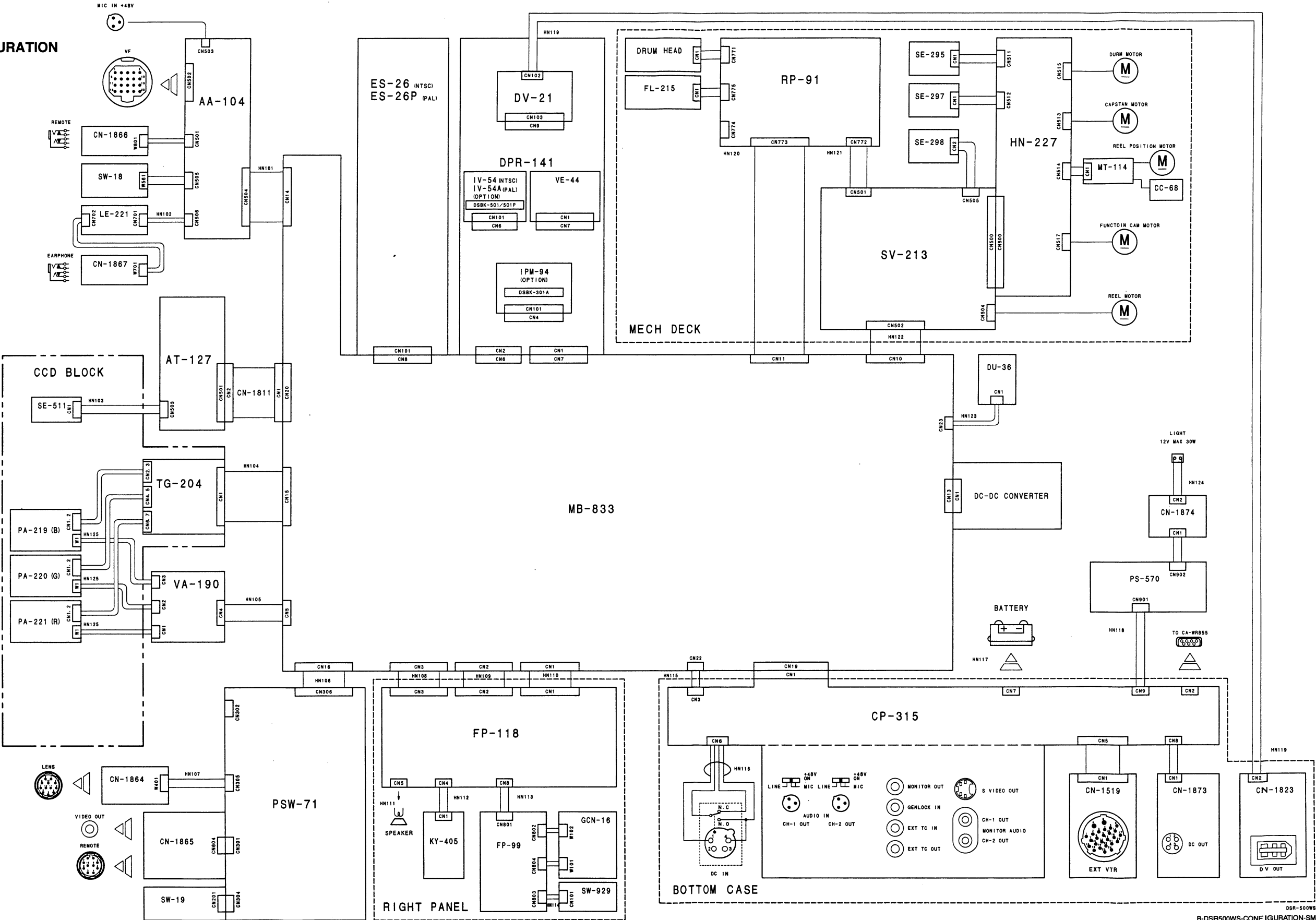
DSBK-501

DSBK-501P

B-DSR500WS-IV54BLOCK-SM

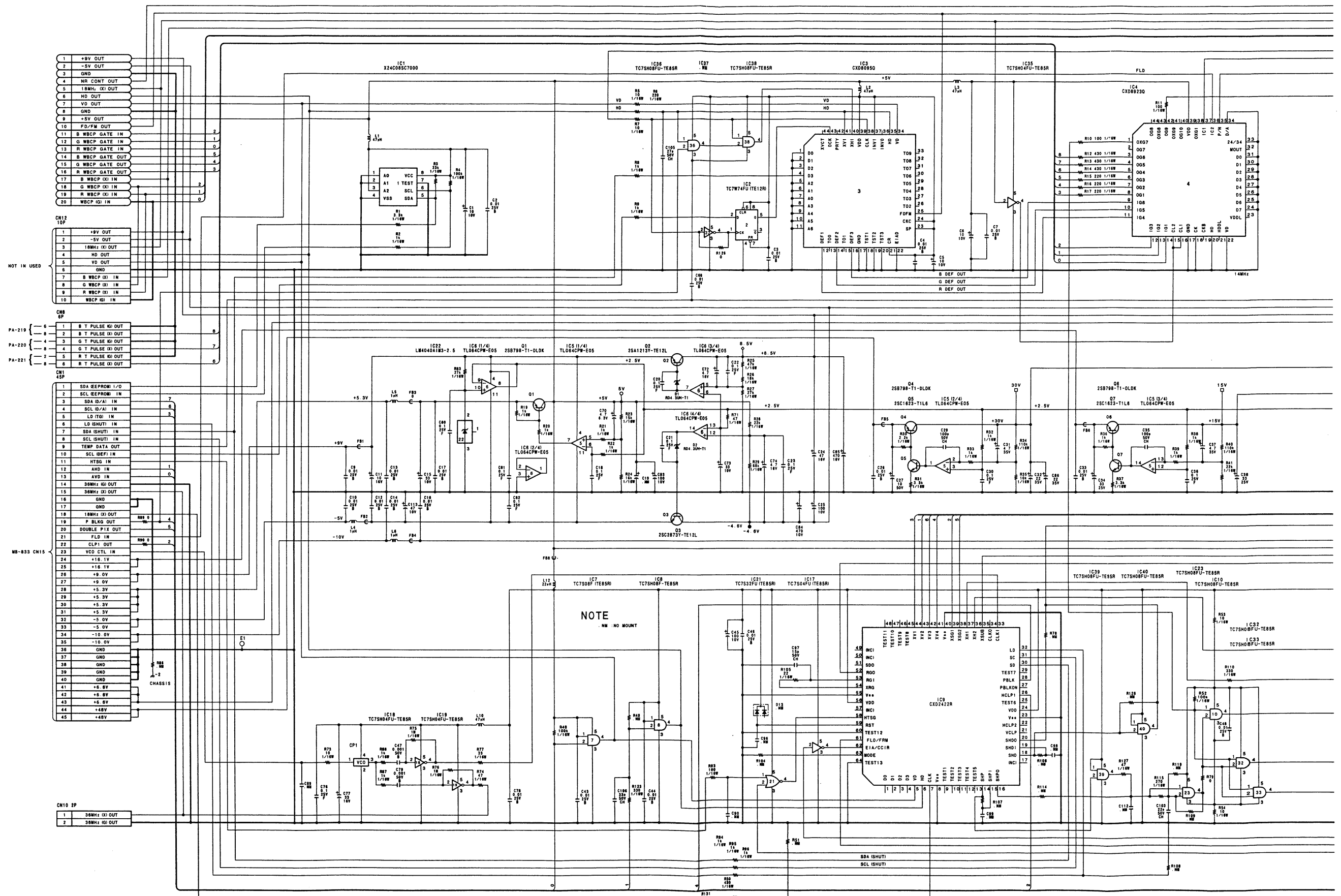
SECTION 4
SCHEMATIC DIAGRAMS AND FRAME WIRING

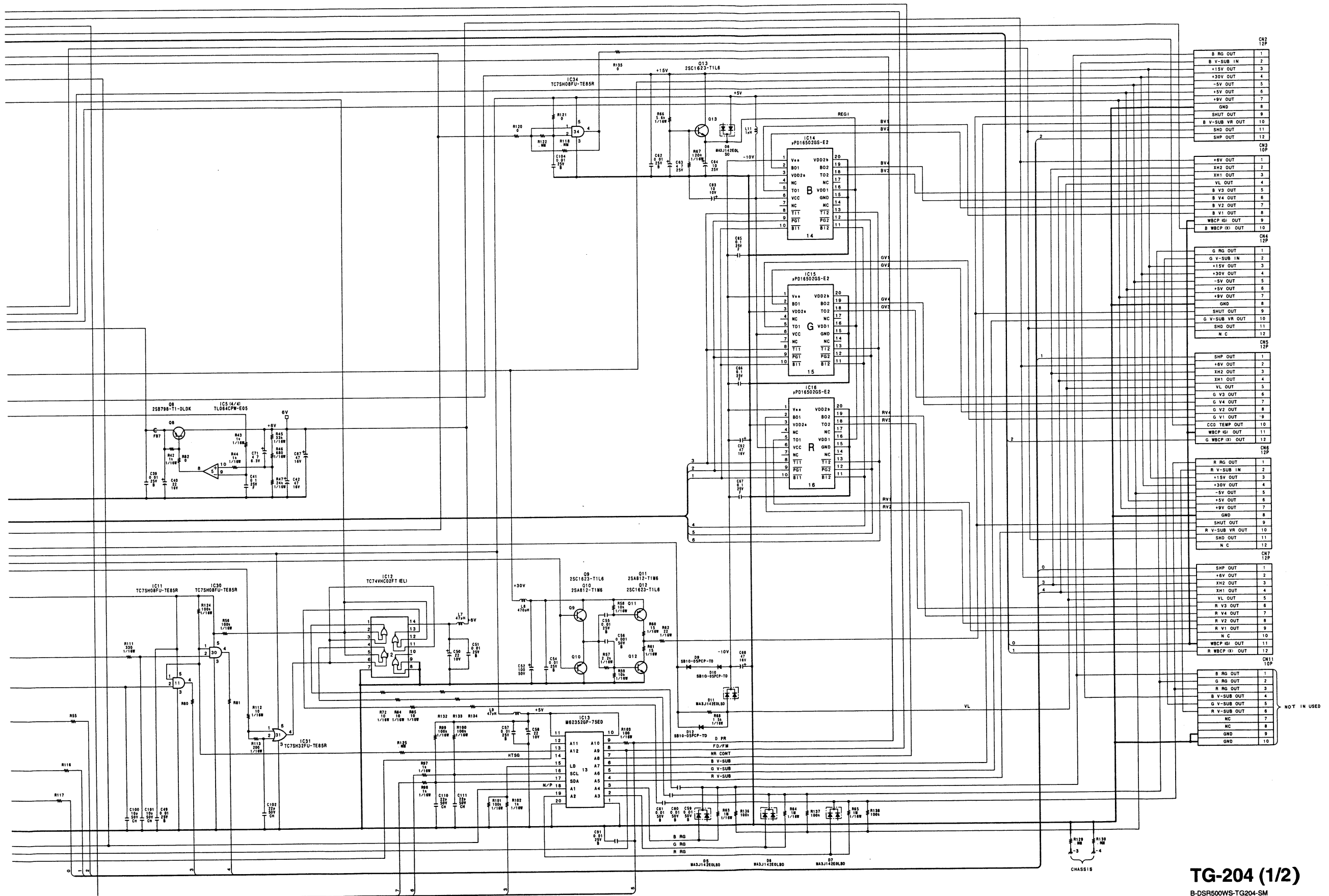
CONFIGURATION





B-DSR500WS-PA-SM



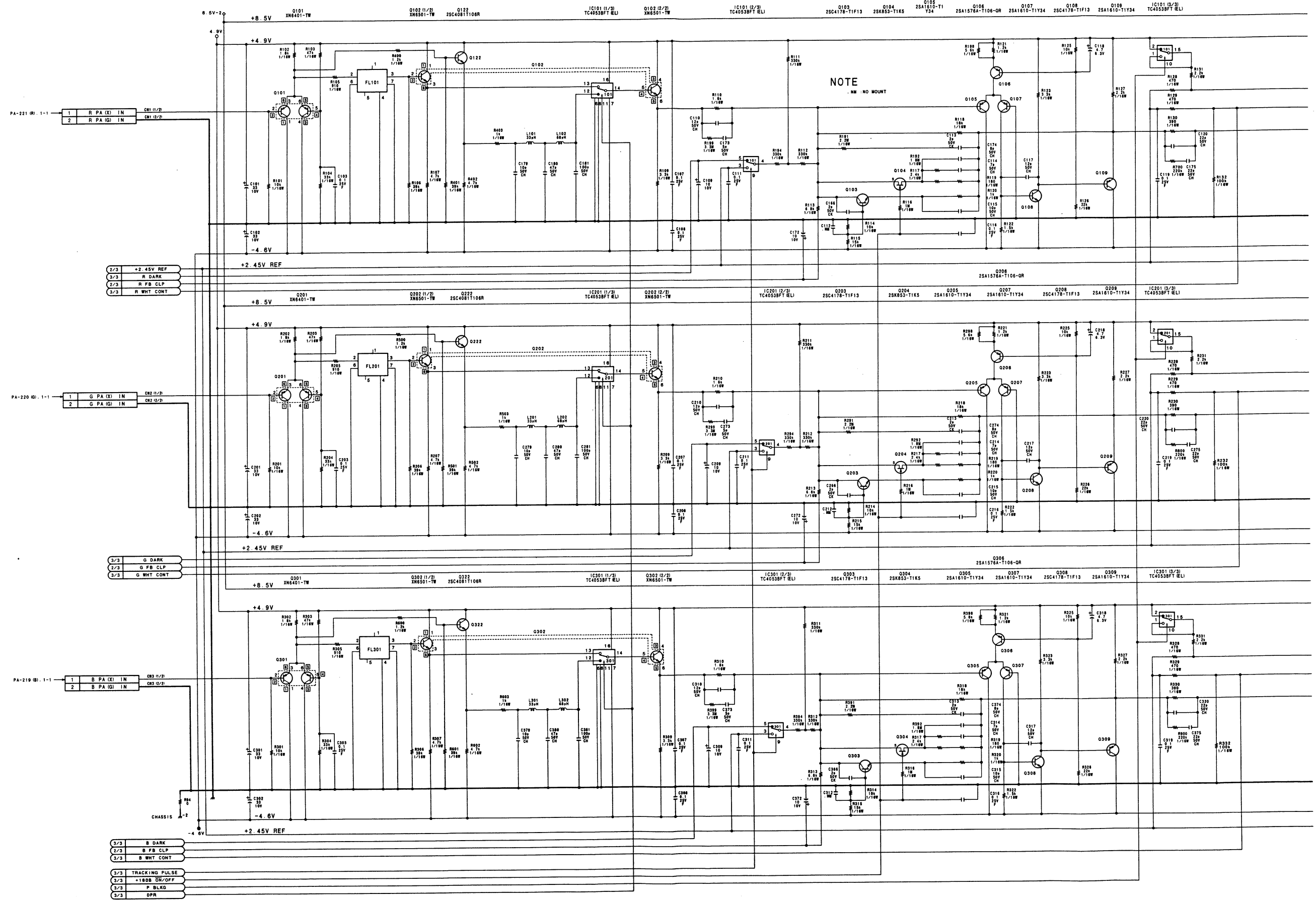


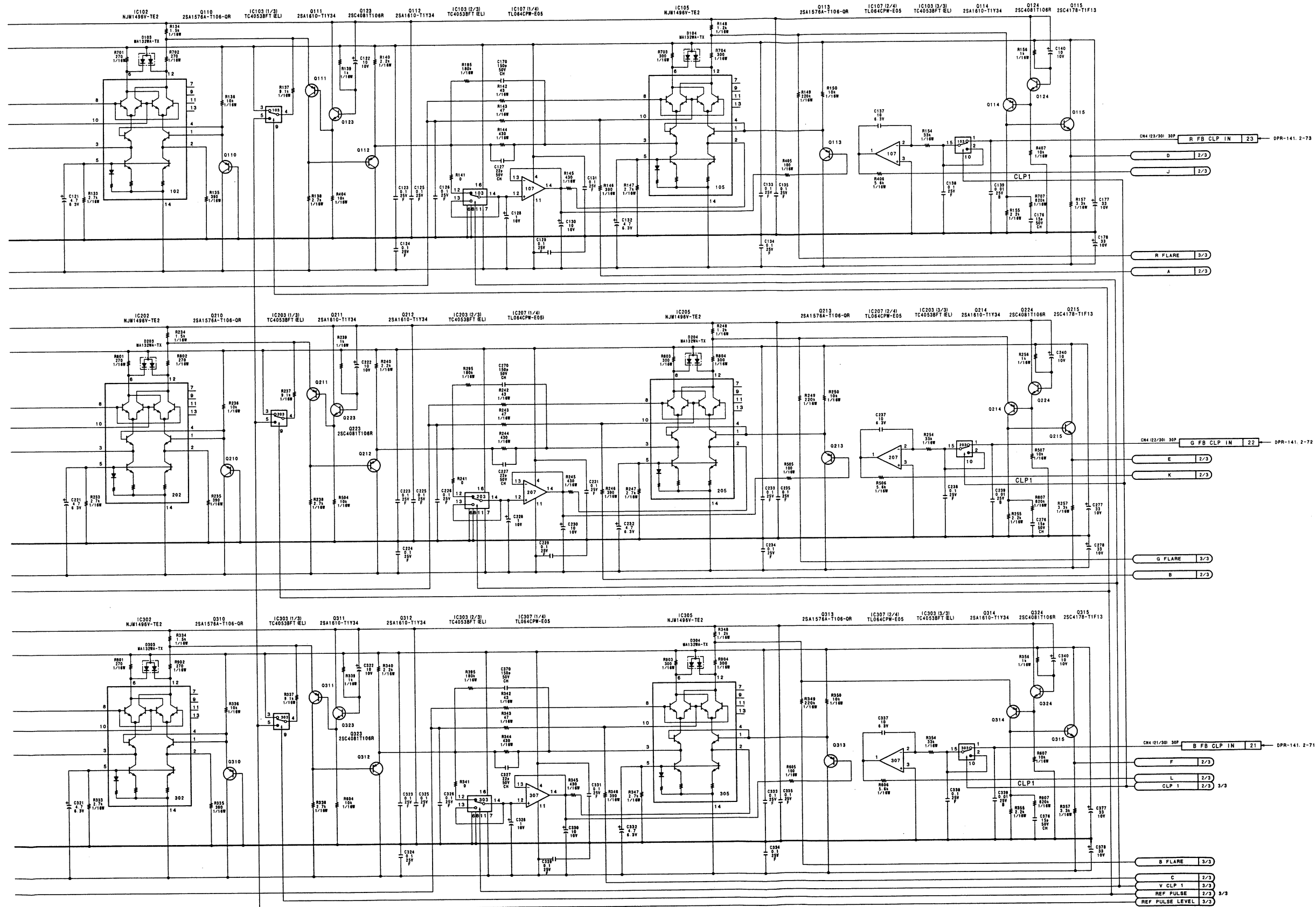
TG-204 (1/2)
B-DSR500WS-TG204-SM

1	+9V OUT
2	-5V OUT
3	GND
4	NR CONT OUT
5	18MHz (X) OUT
6	HD OUT
7	VD OUT
8	GND
9	+5V OUT

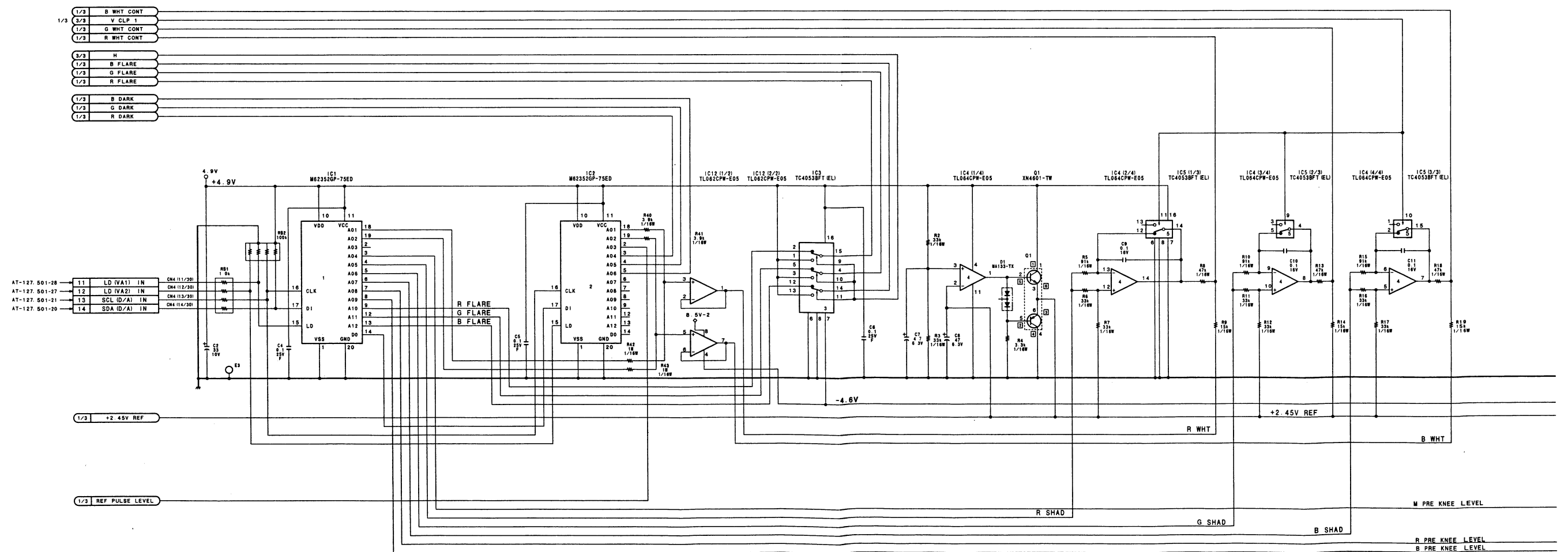
FD/FM OUT	10
B WBCP GATE IN	11
G WBCP GATE IN	12
R WBCP GATE IN	13
B WBCP GATE OUT	14
G WBCP GATE OUT	15
R WBCP GATE OUT	16
B WBCP (X) IN	17
G WBCP (X) IN	18
R WBCP (X) IN	19
WBCP (G) IN	20

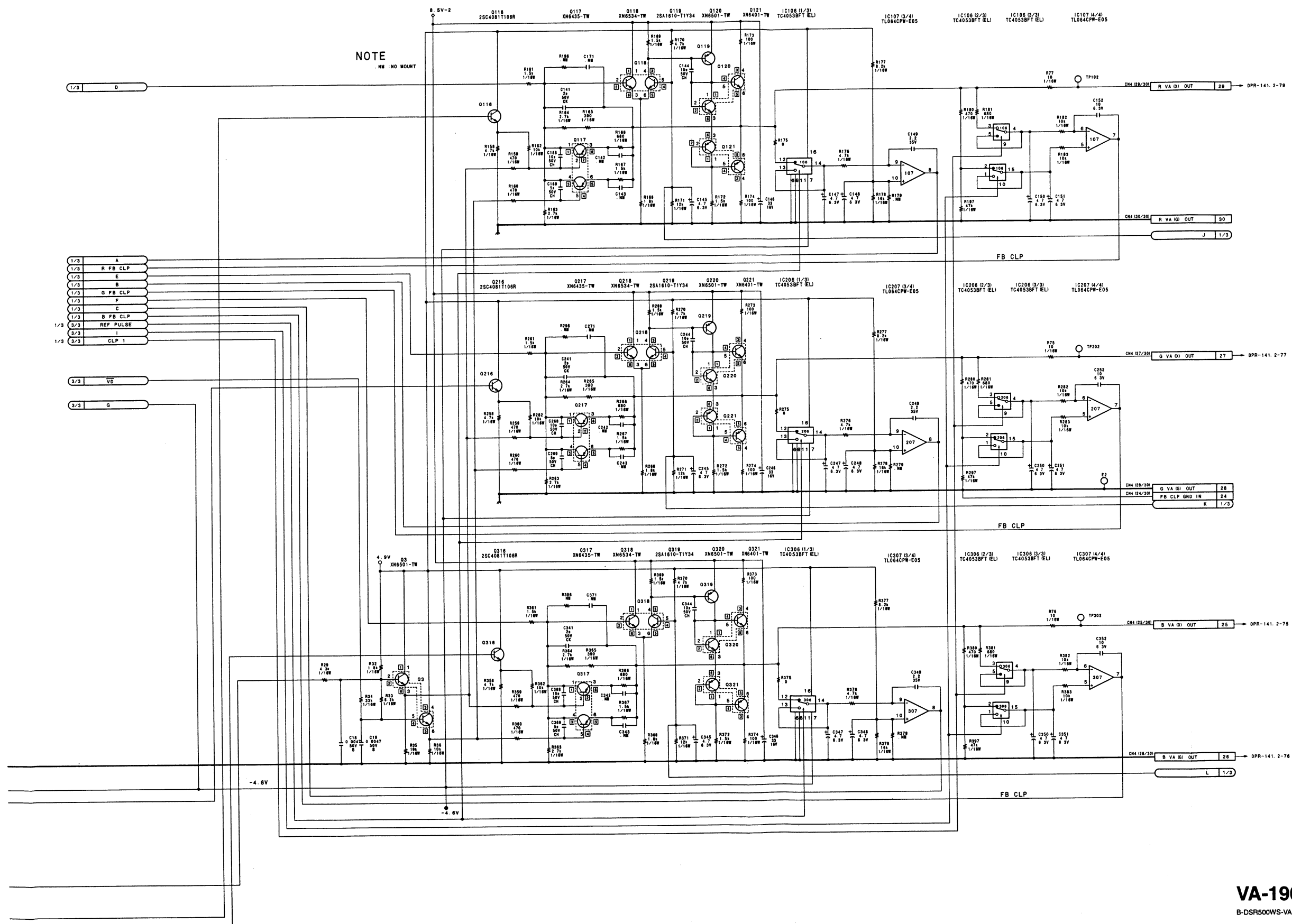
VA-190 (1/3) VA-190 (1/3)





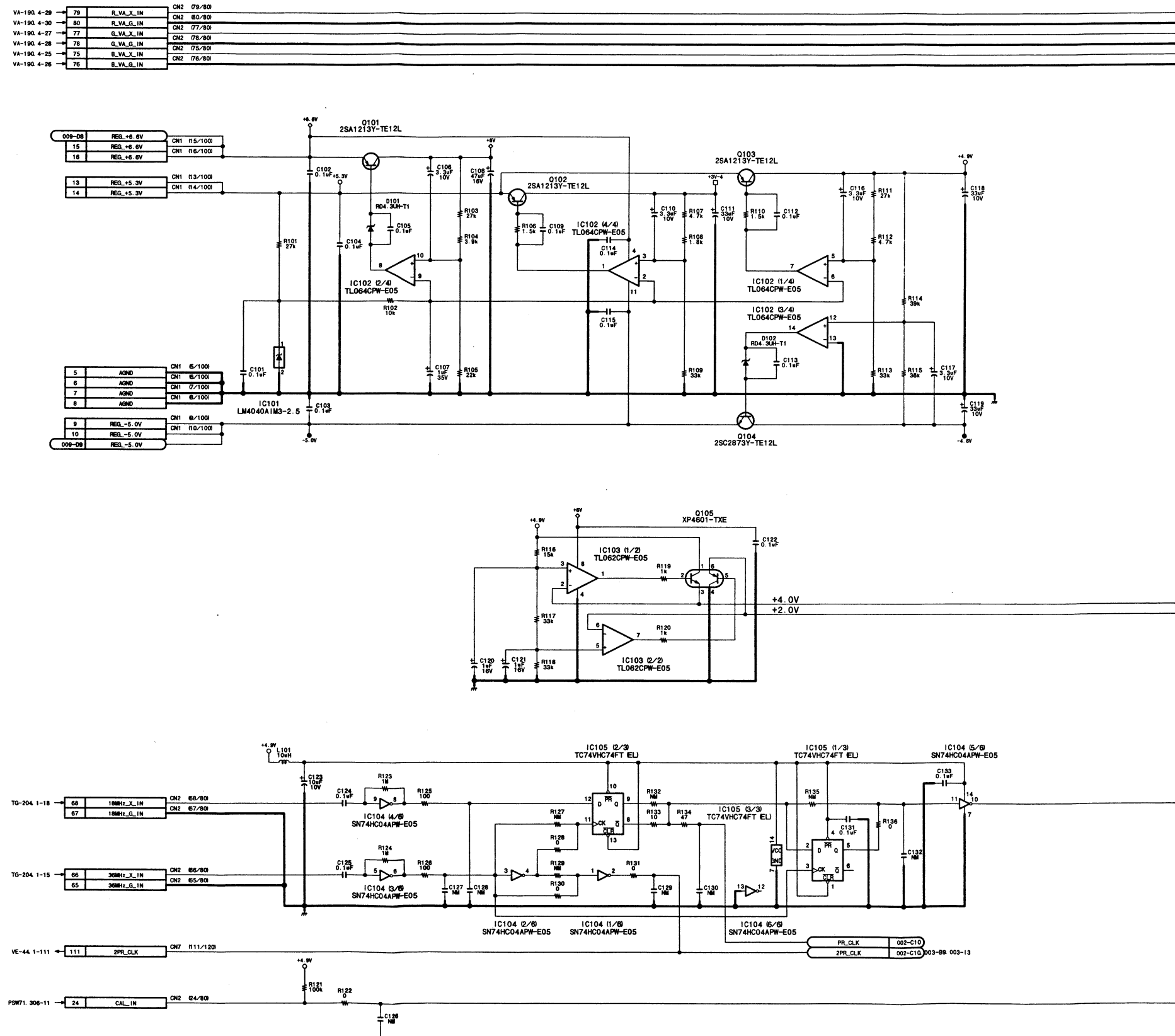
VA-190 (1/3)
B-DSR500WS-VA190-SM





VA-190 (2/3)
B-DSR500WS-VA190-SM





4-14

4-14

DSR-500WS/500WSP/V2

A

B

C

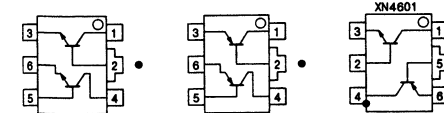
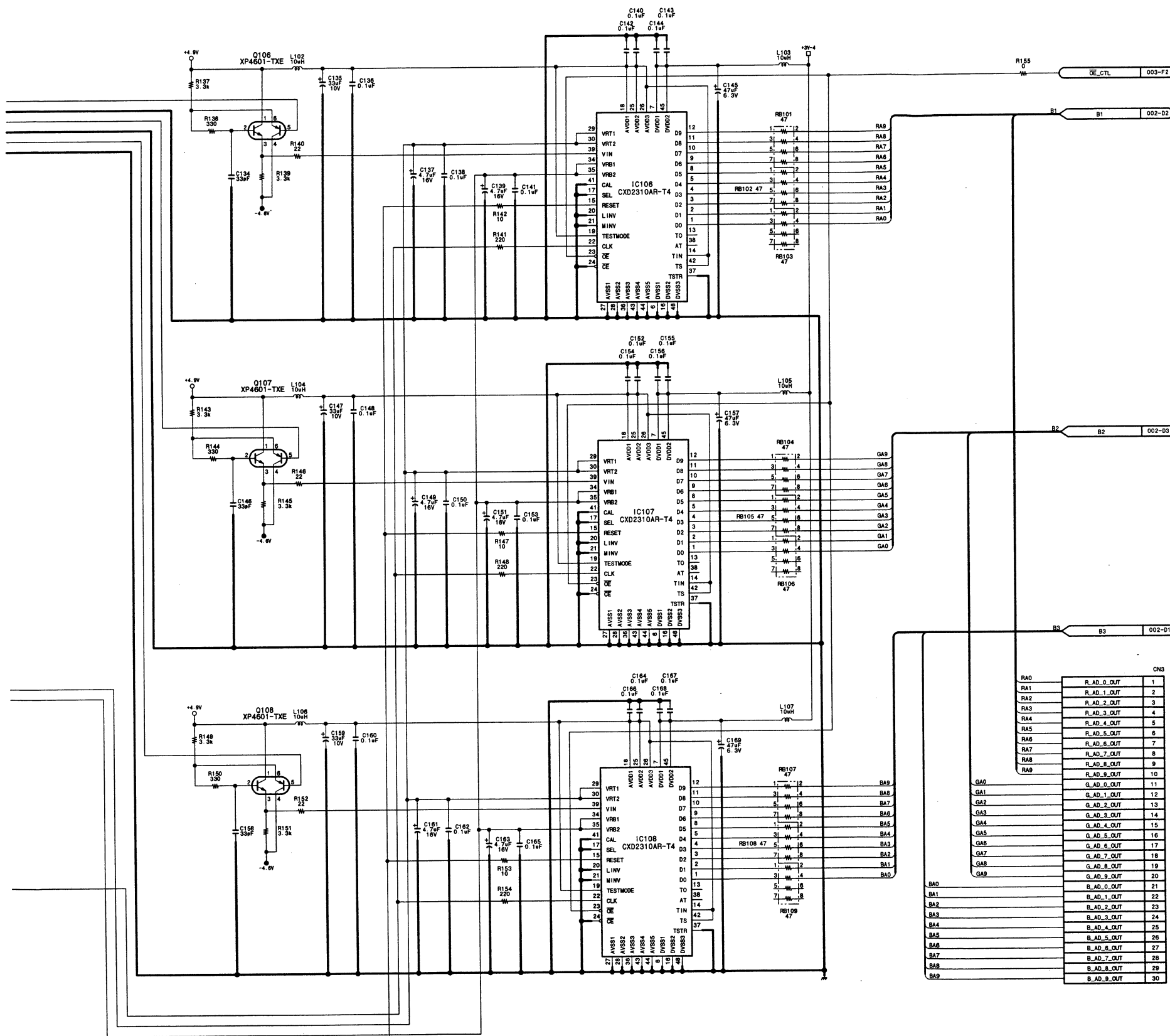
D

E

F

G

H



1

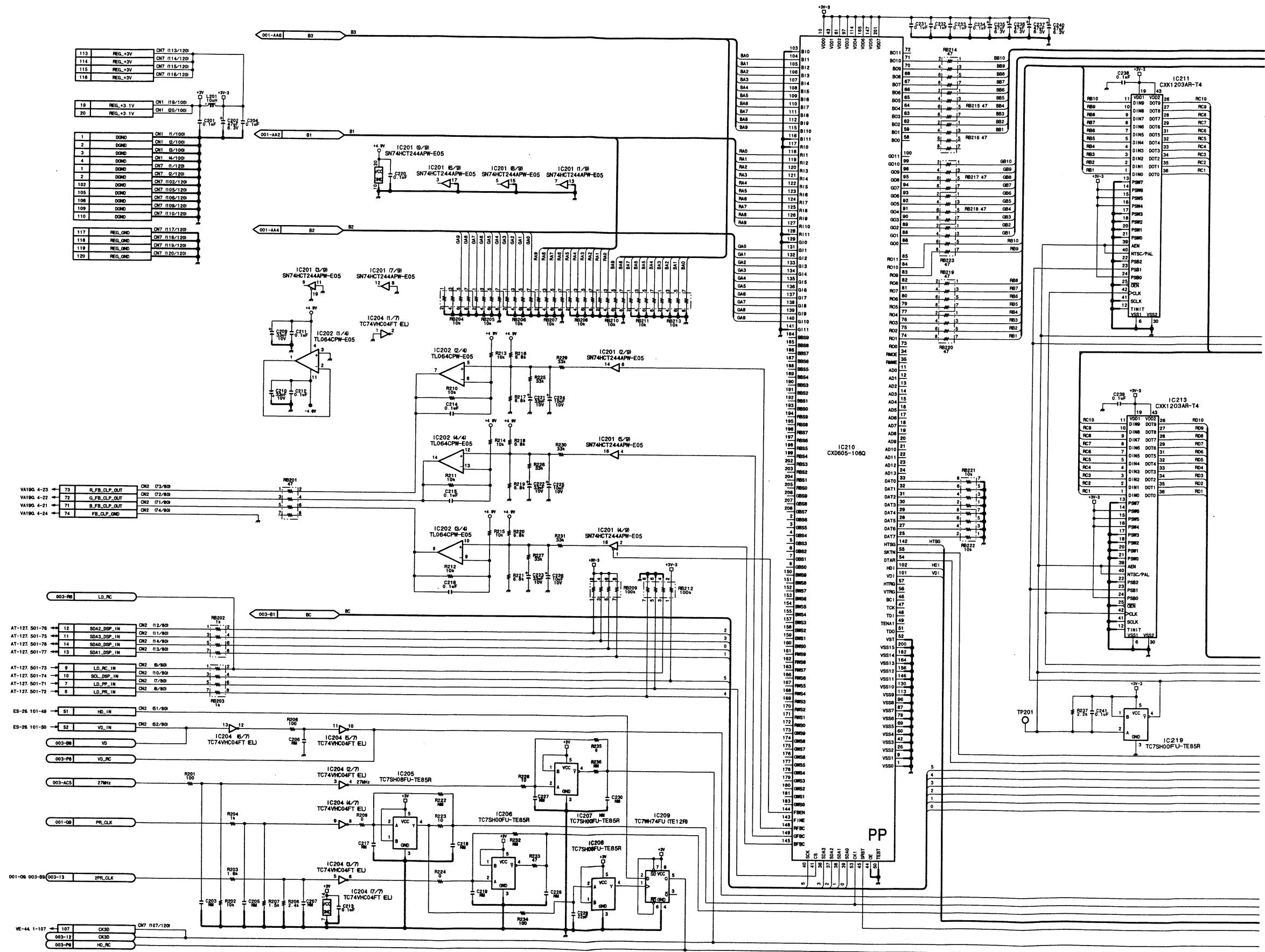
2

3

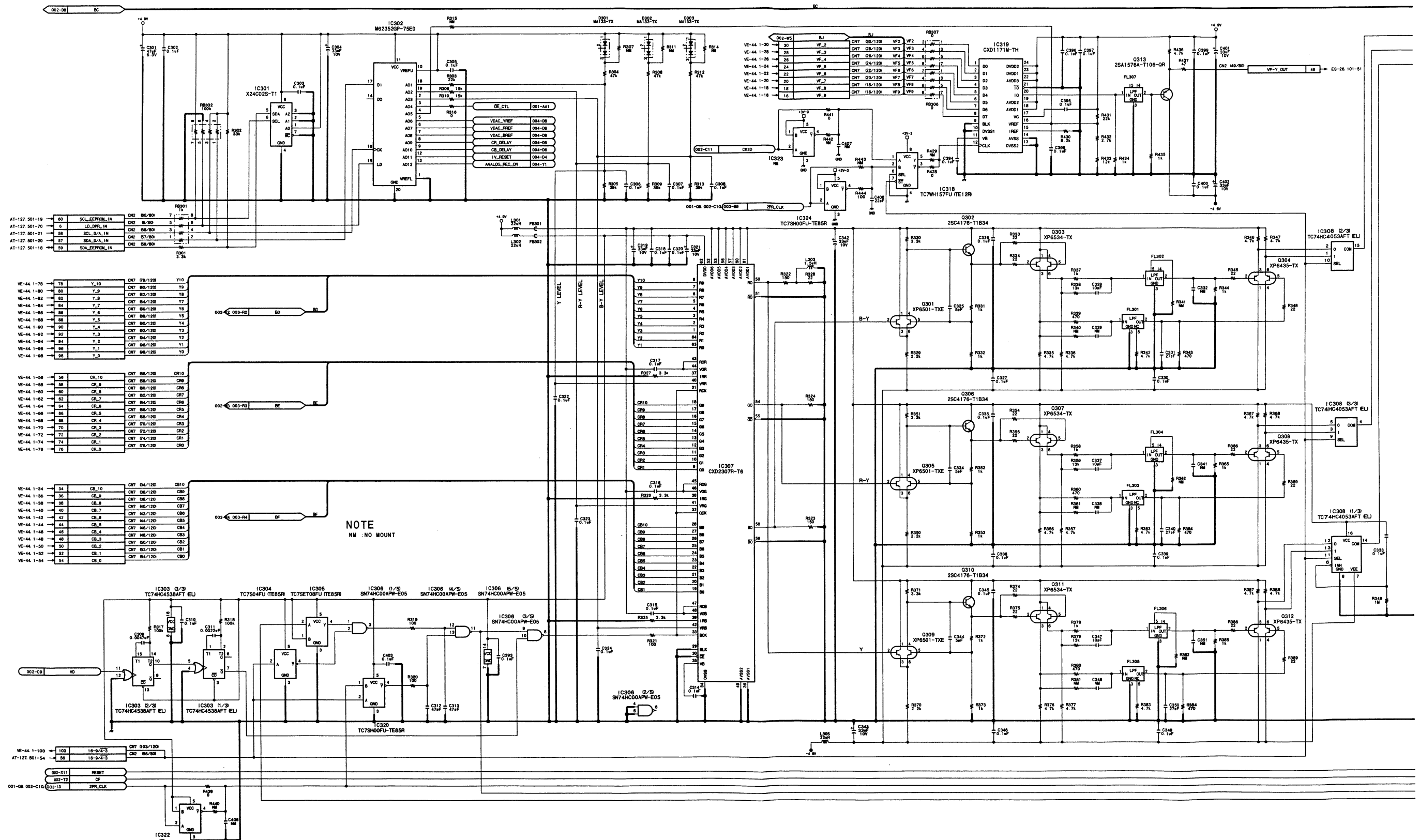
4

5

I | J | K | L | M | N | O | P

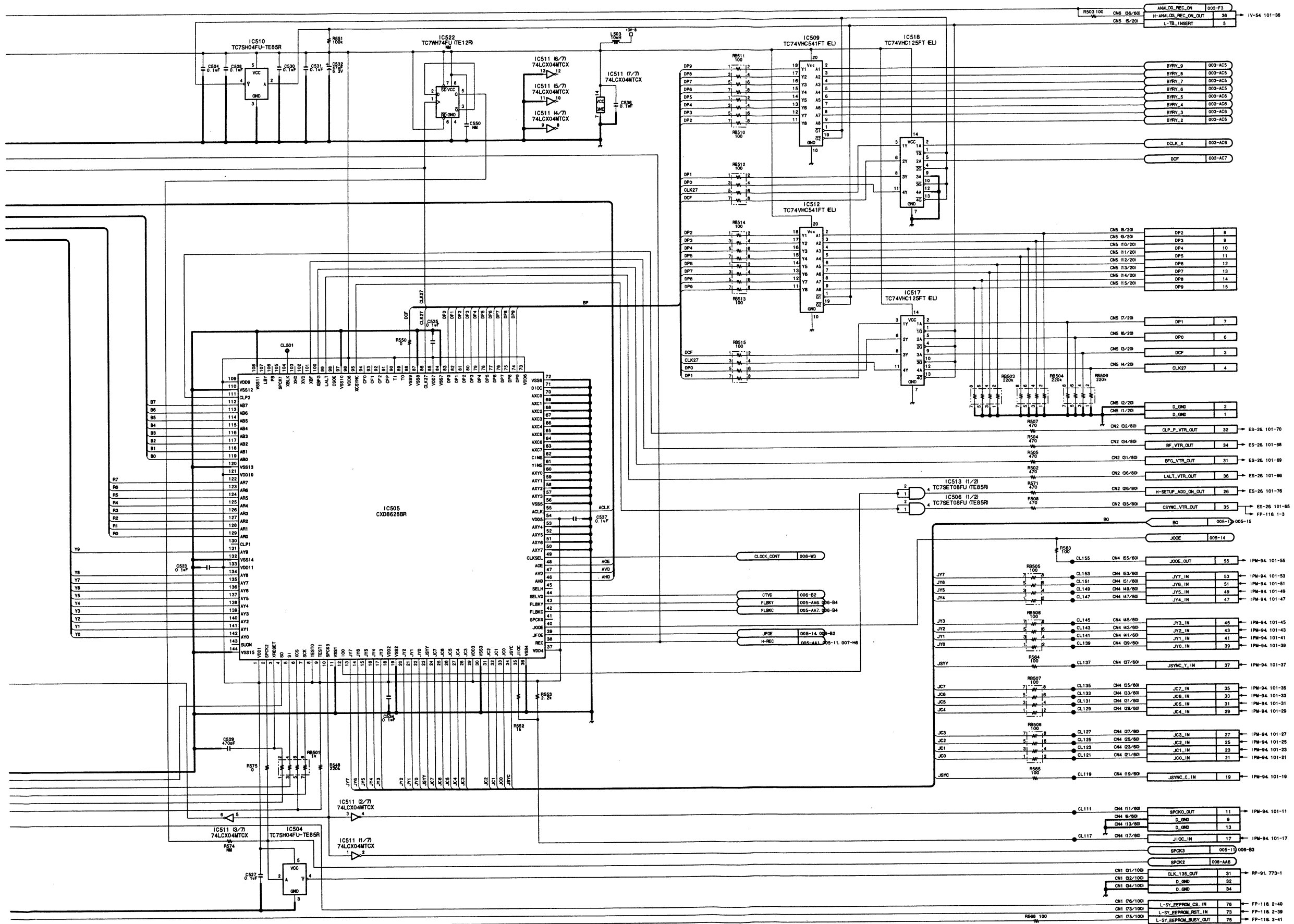






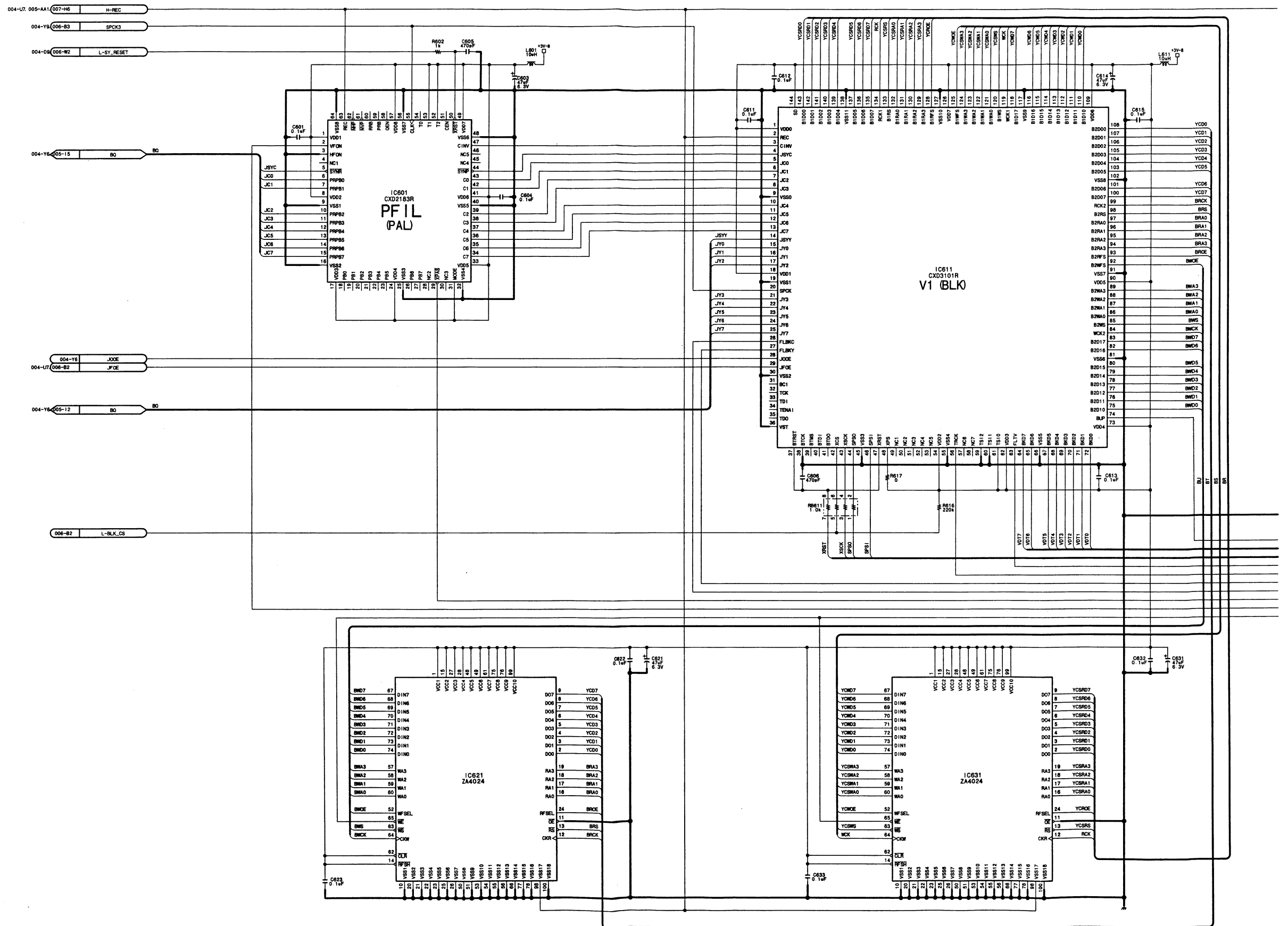


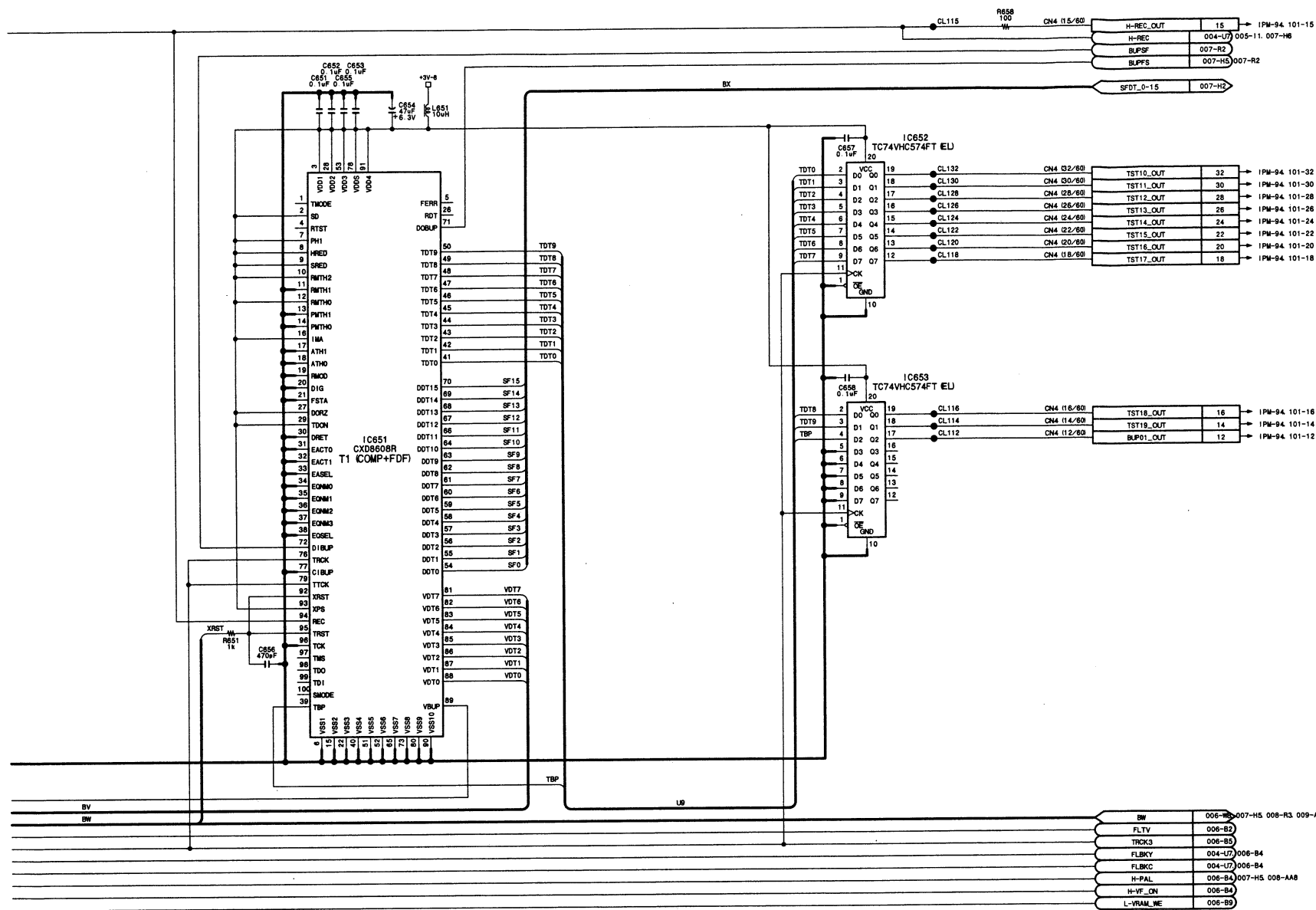




DPR-141 (4/9)

DSR-500WSL_DPR-141_004





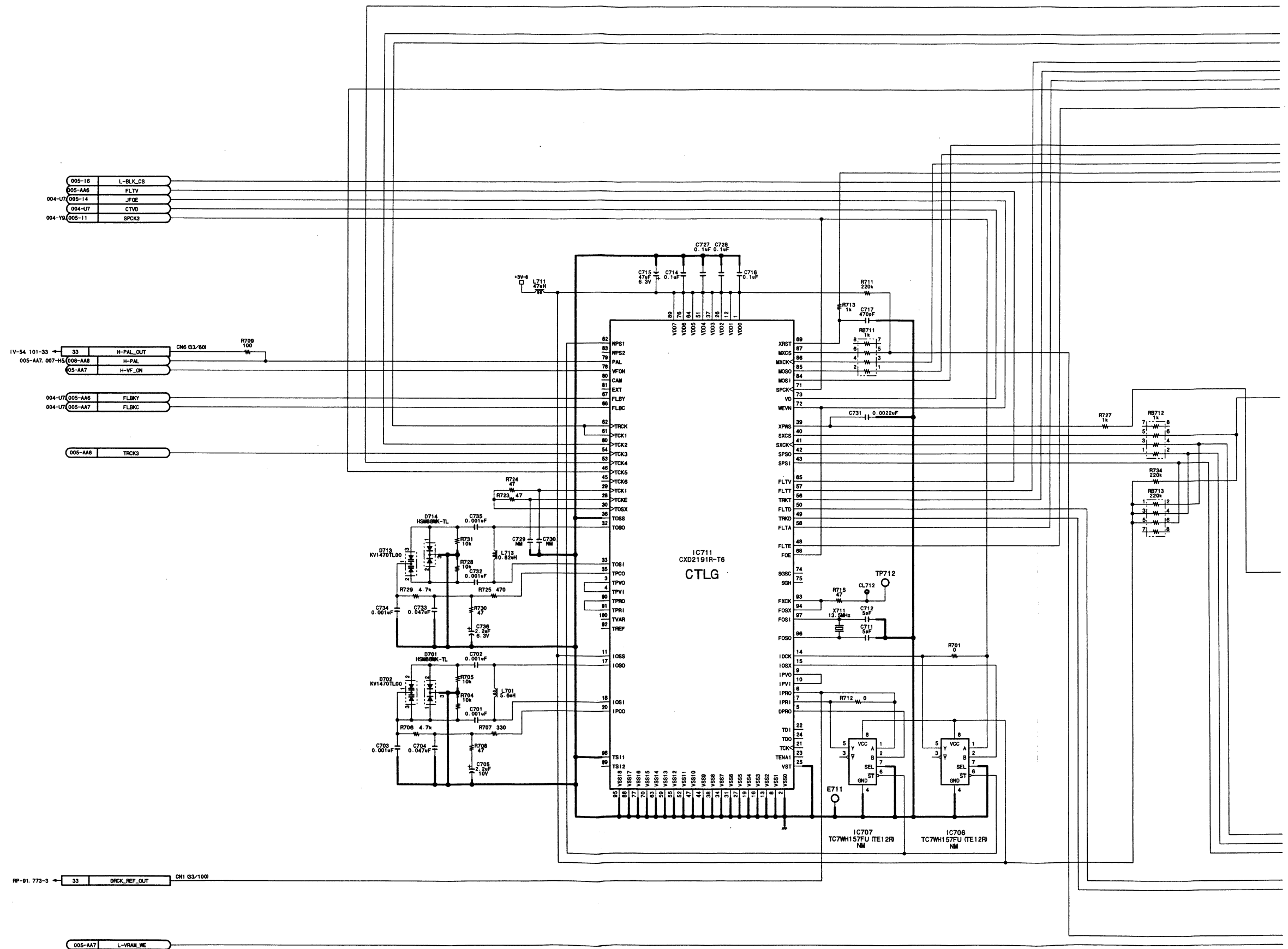
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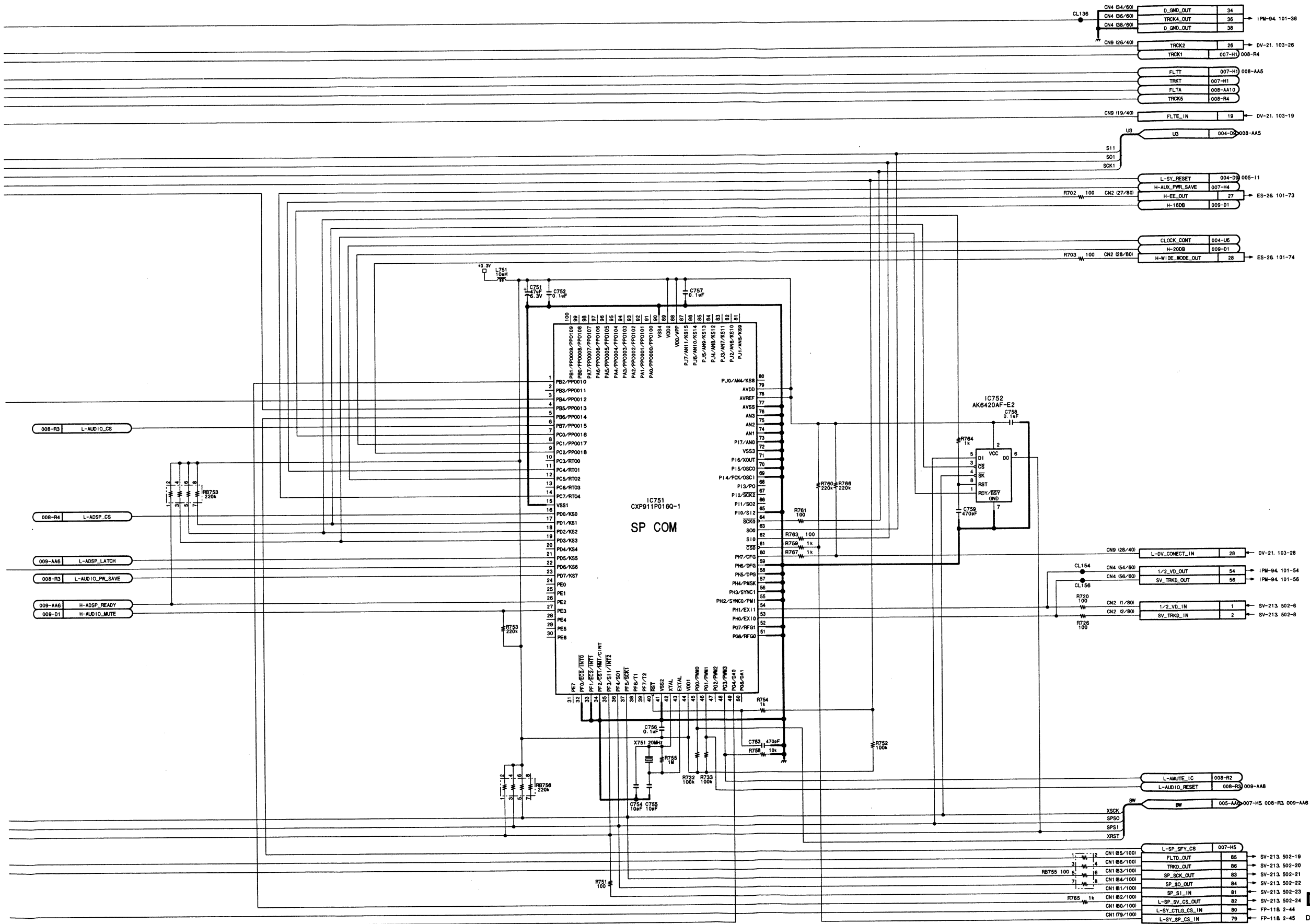
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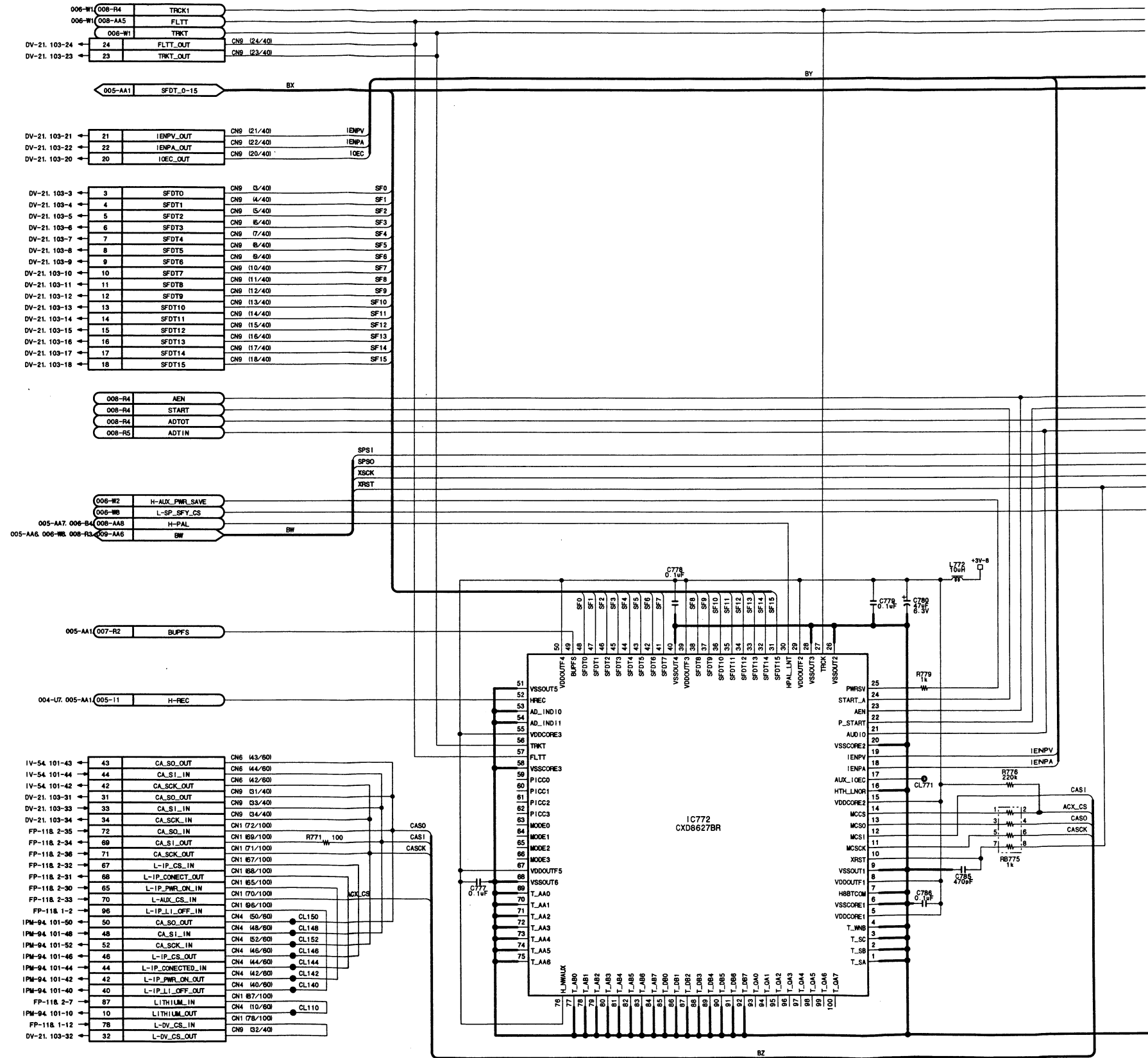
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4

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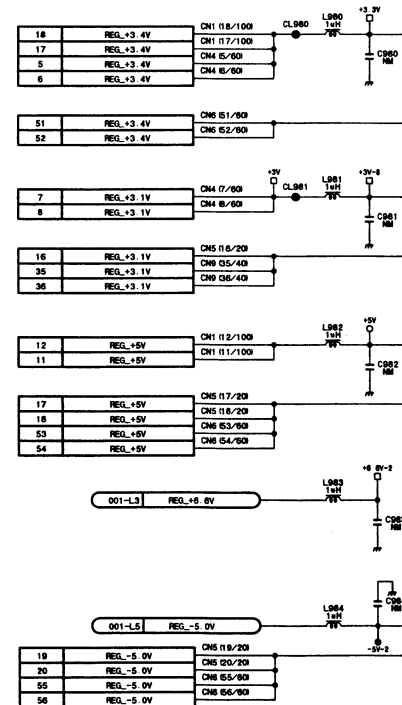
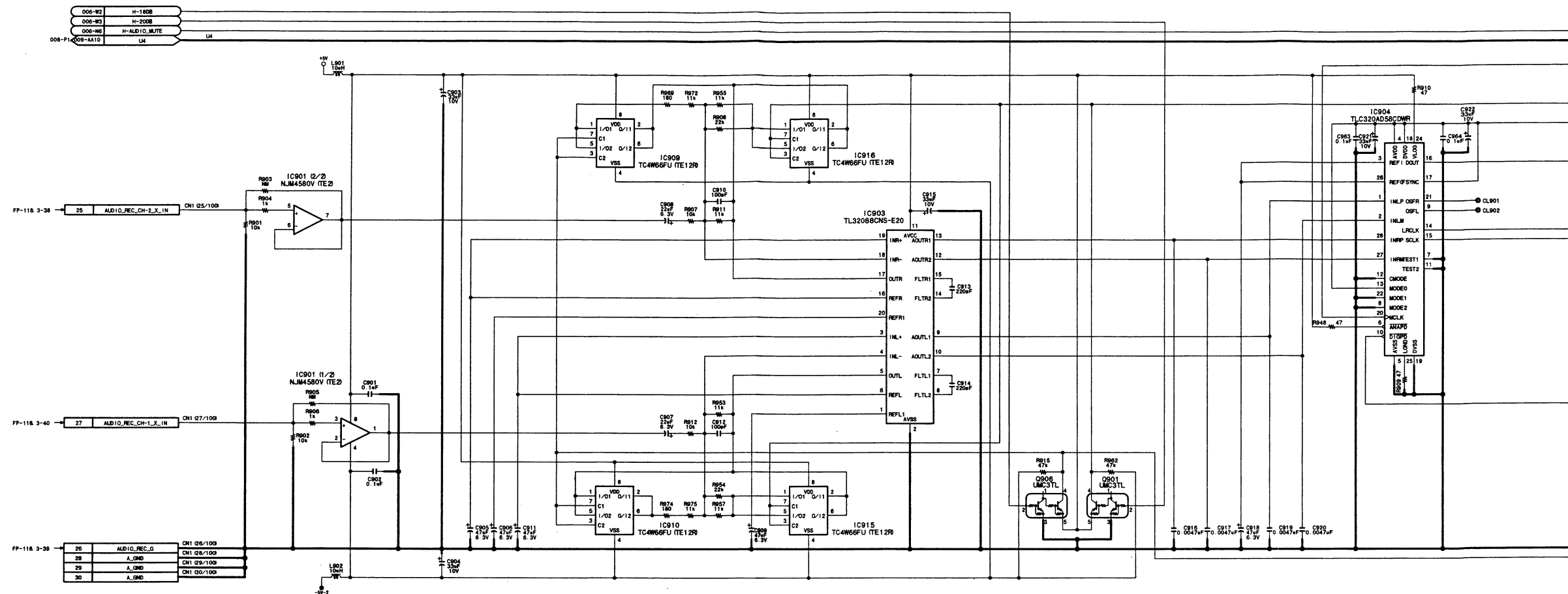








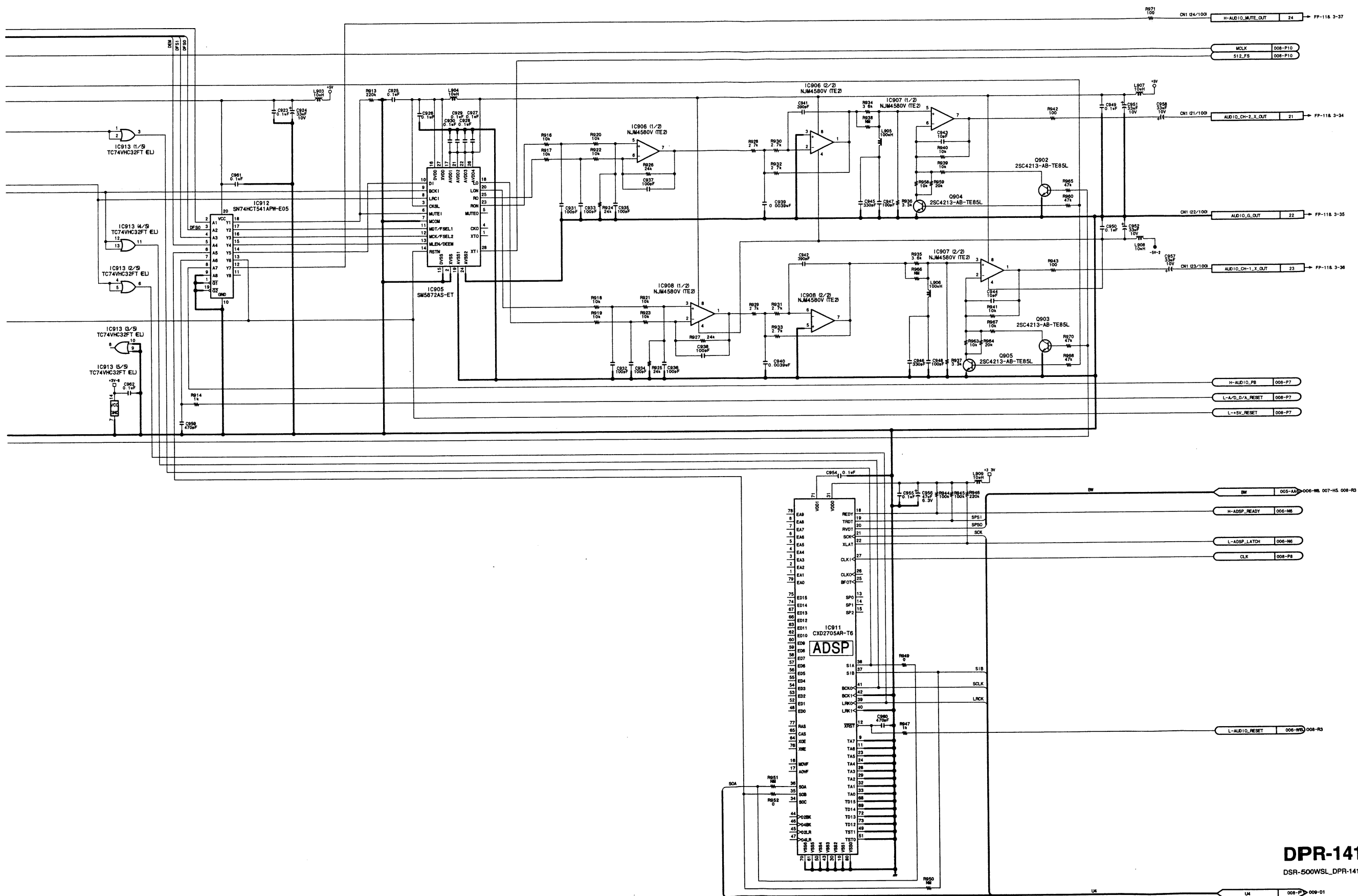




1	D_GND	CH4 11/80	CL902
2	D_GND	CH4 12/80	
3	D_GND	CH4 13/80	
4	D_GND	CH4 14/80	
57	D_GND	CH4 57/80	
58	D_GND	CH4 58/80	
59	D_GND	CH4 59/80	
60	D_GND	CH4 60/80	

CH1 85/100	85	N.C
CH1 86/100	86	N.C
CH2 13/80	3	N.C
CH3 34/80	34	N.C
CH3 45/80	45	N.C
CH3 46/80	46	N.C
CH3 49/49	29	N.C

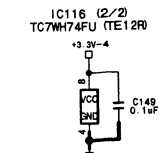
1	REG_GND	CH5 11/40	
2	REG_GND	CH5 12/40	
25	REG_GND	CH5 25/40	
27	REG_GND	CH5 27/40	
37	REG_GND	CH5 37/40	
38	REG_GND	CH5 38/40	
39	REG_GND	CH5 39/40	
40	REG_GND	CH5 40/40	

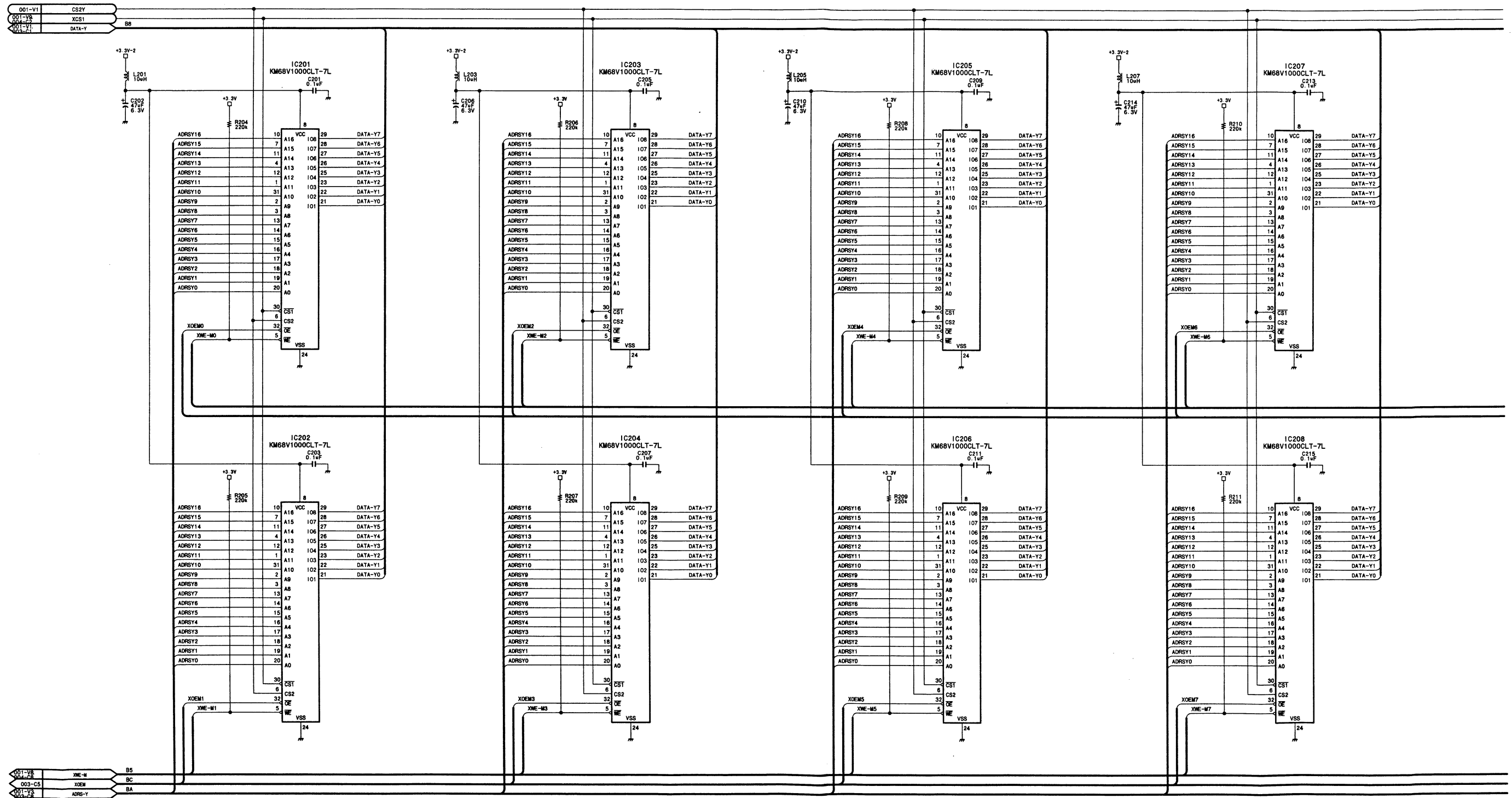


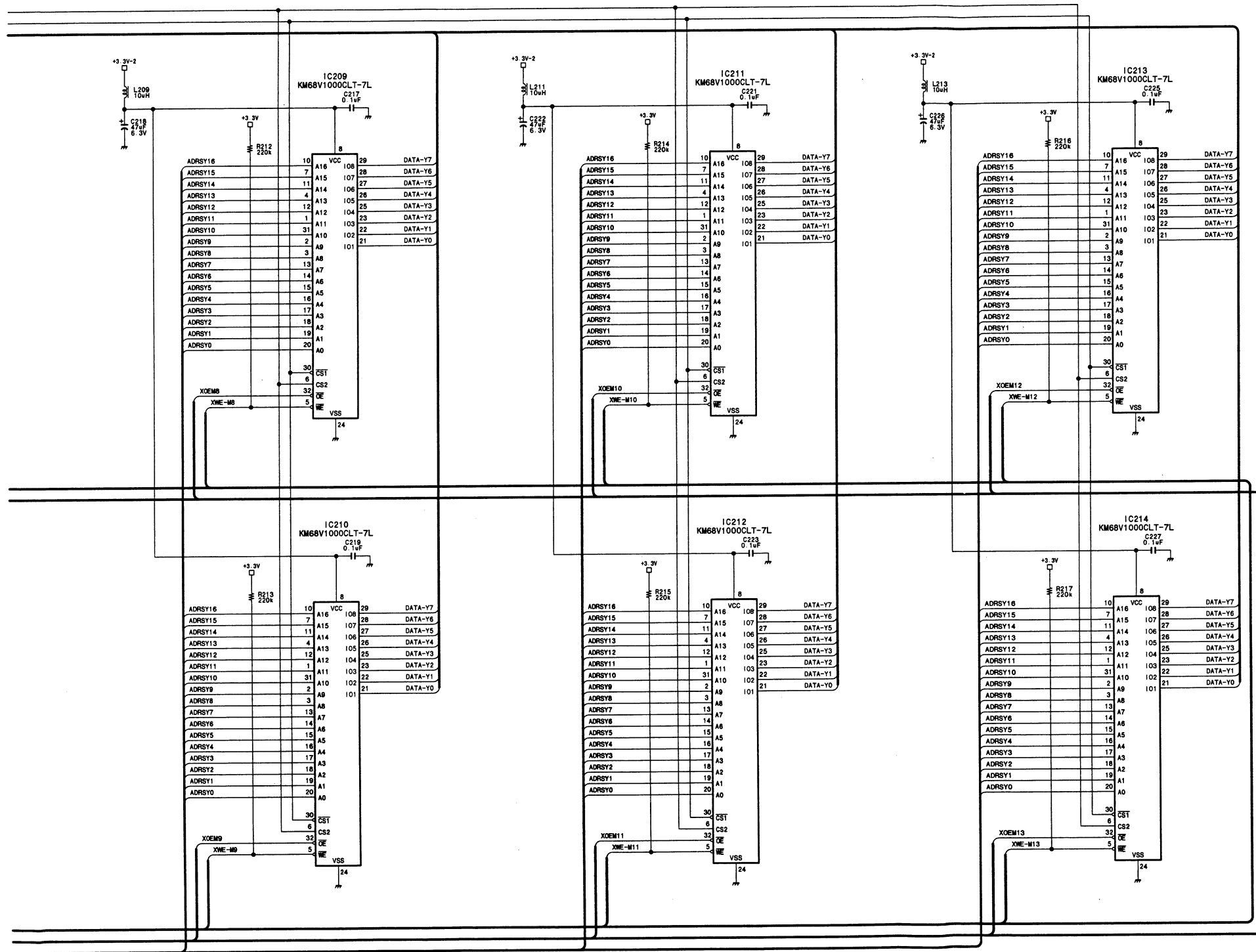
DPR-141 (9/9)

DSR-500WSL_DPR-141_004









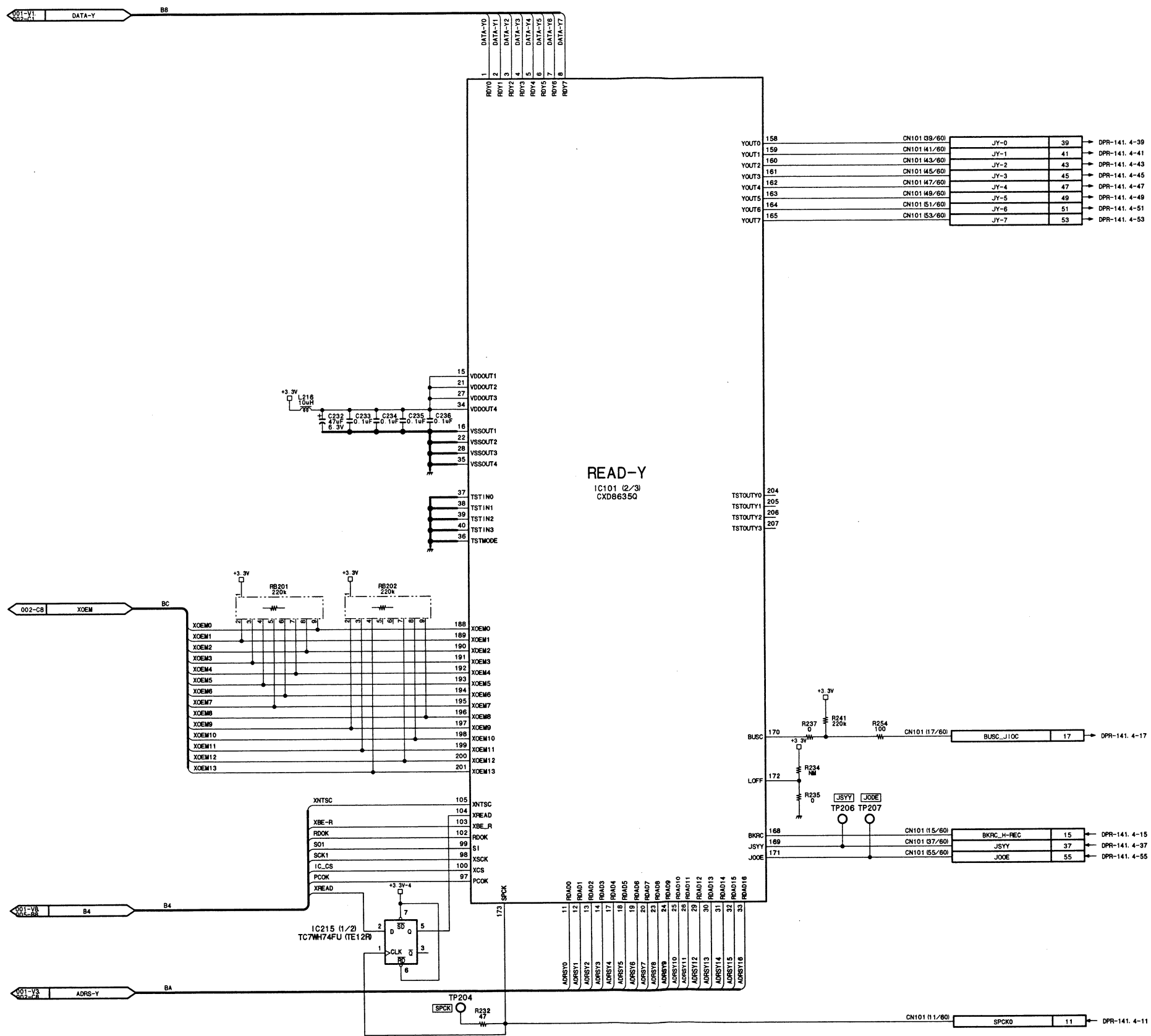
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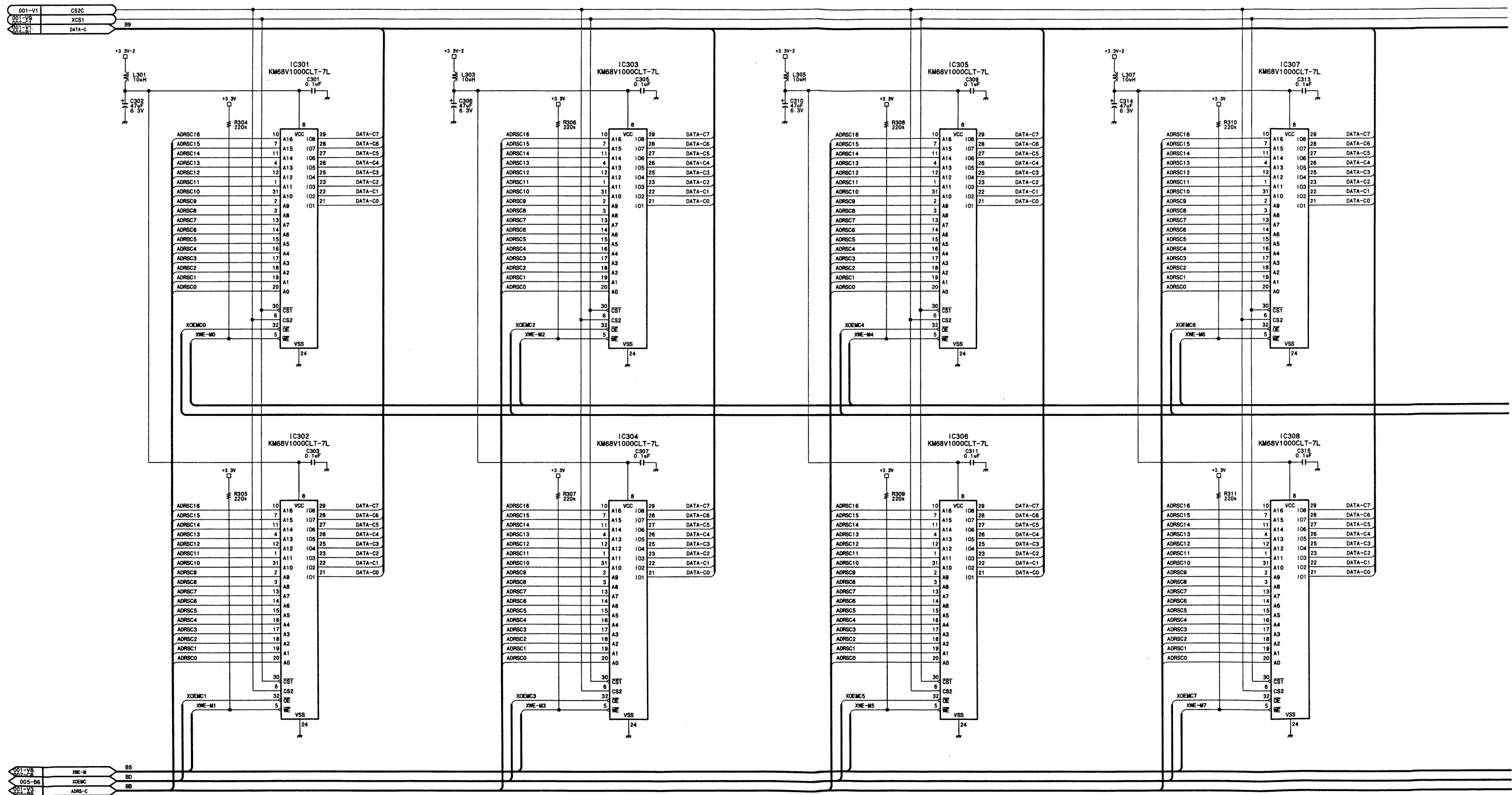
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3

4

5





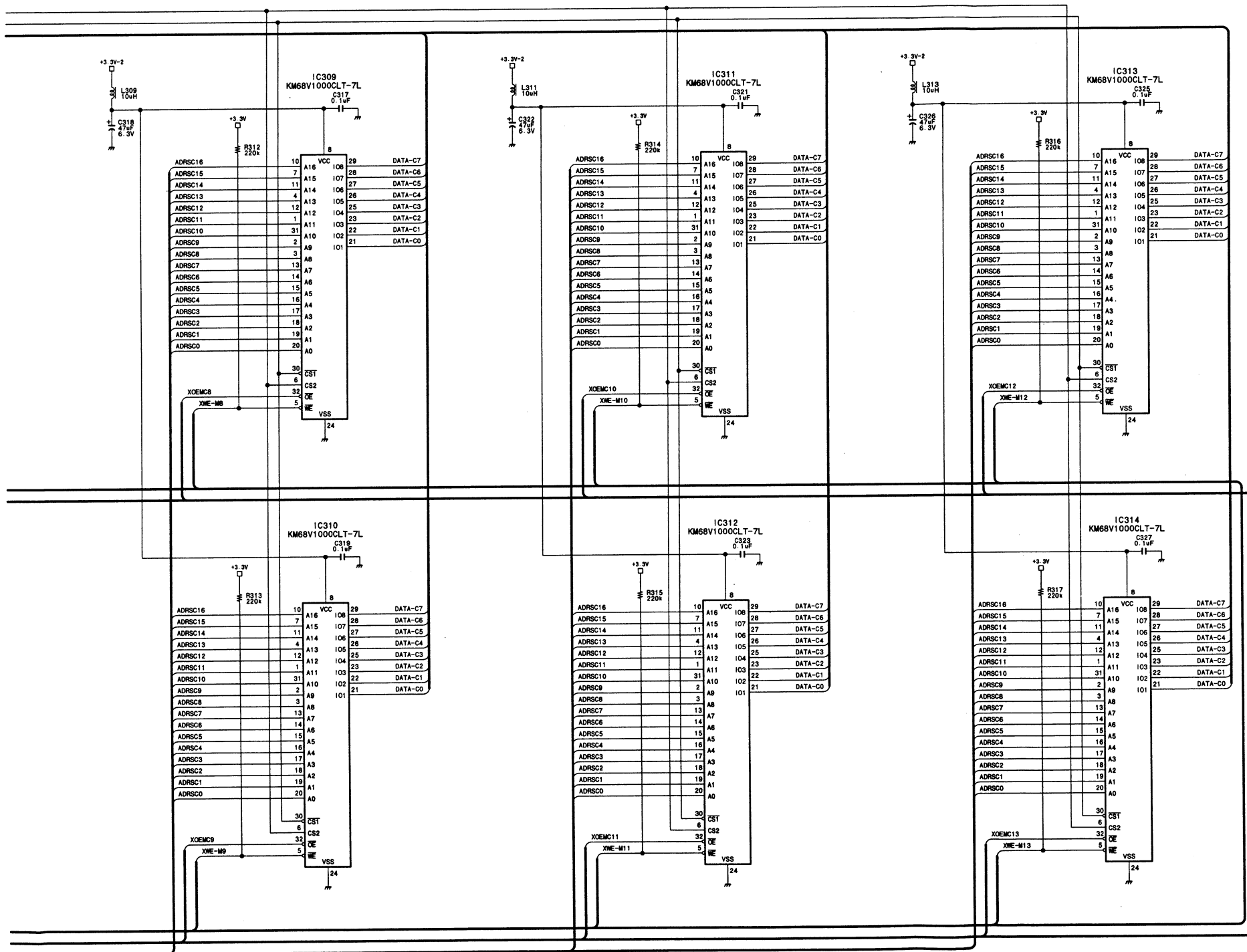
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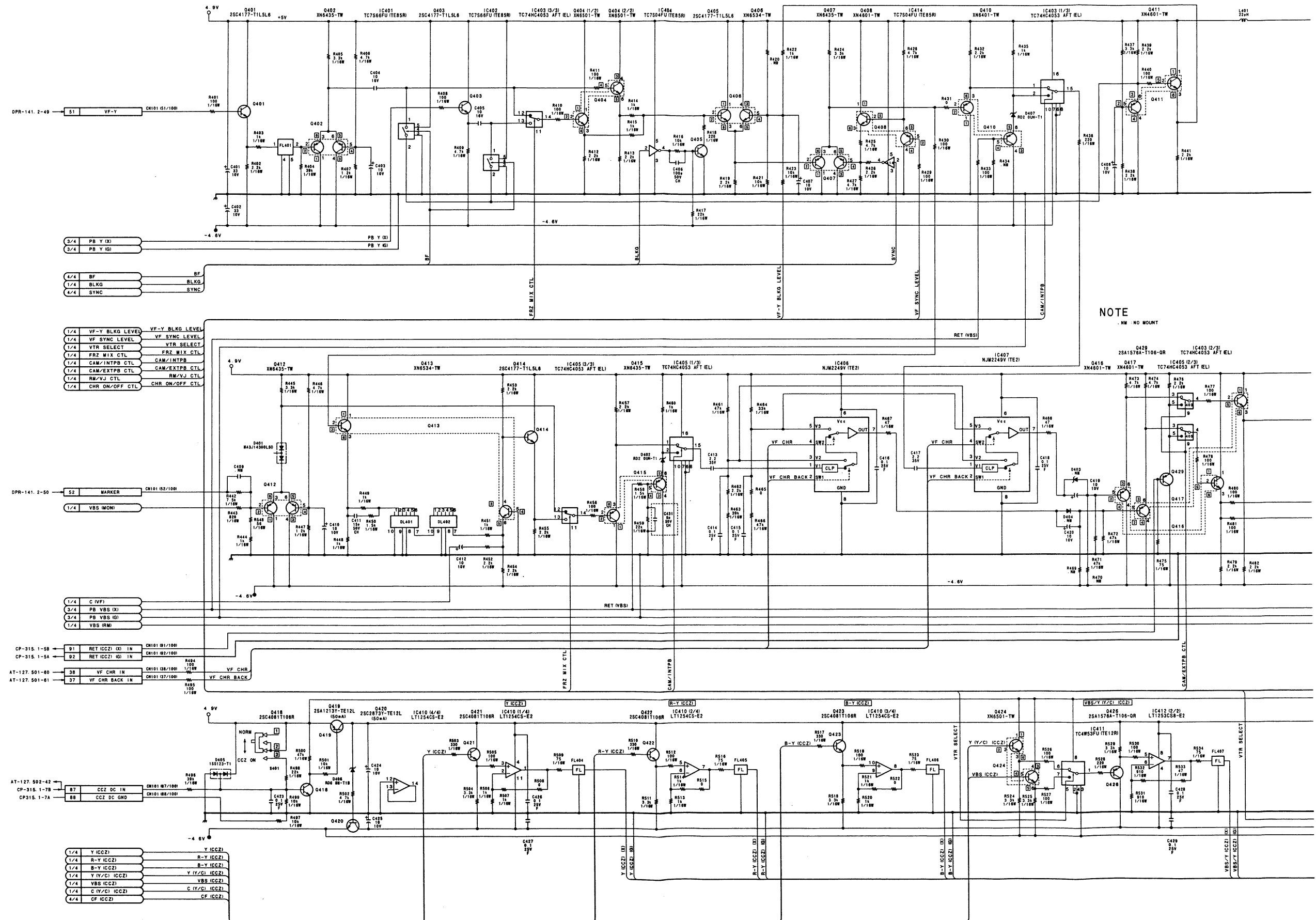
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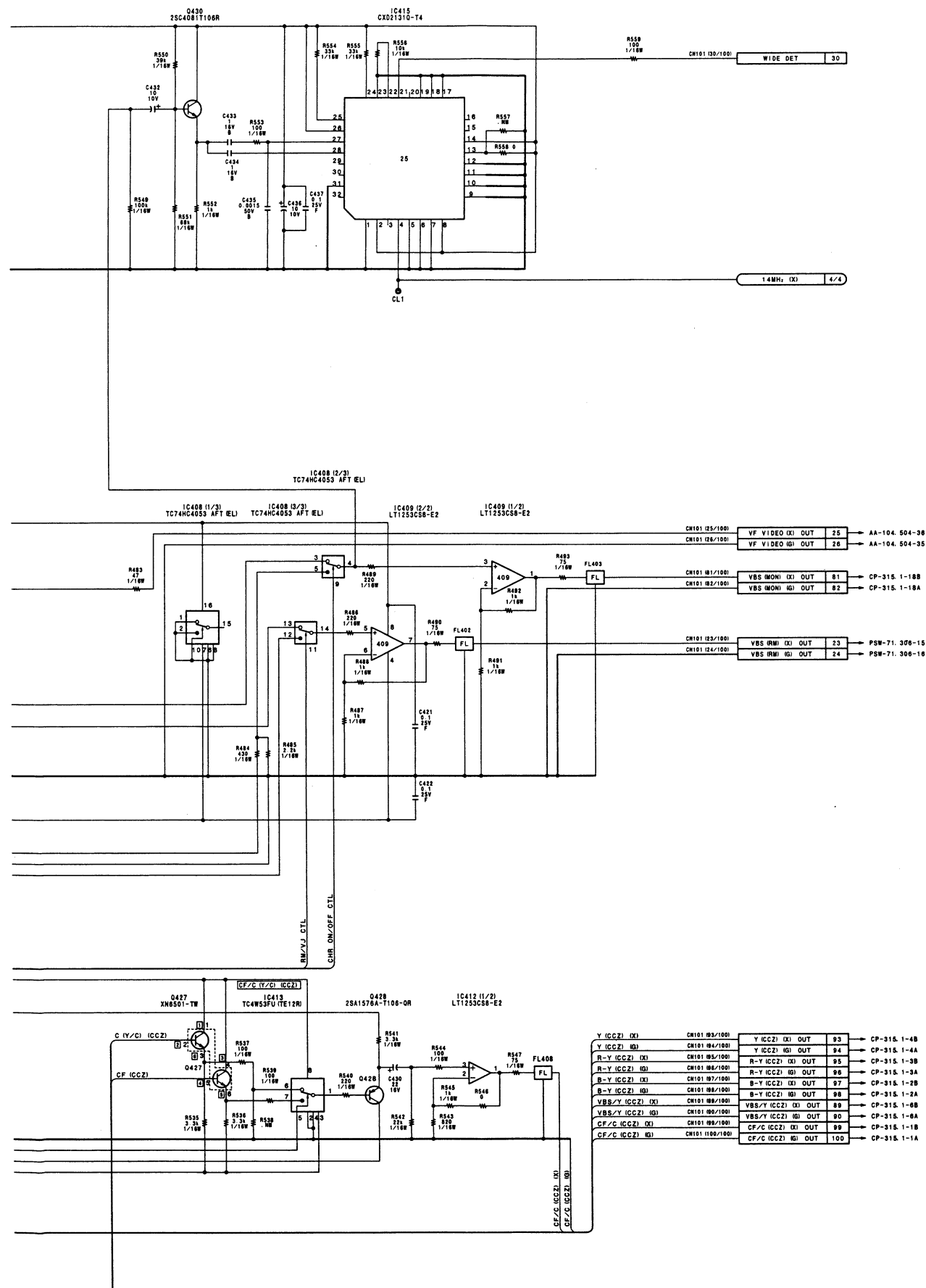
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4 4 4

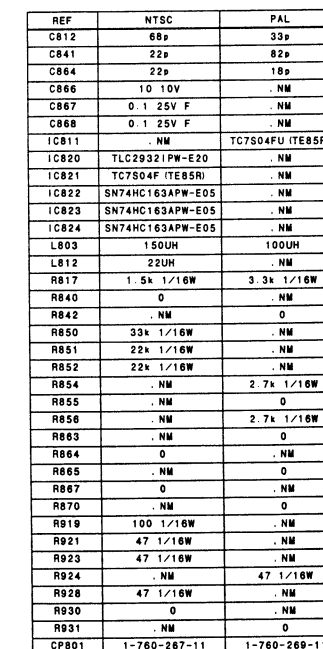
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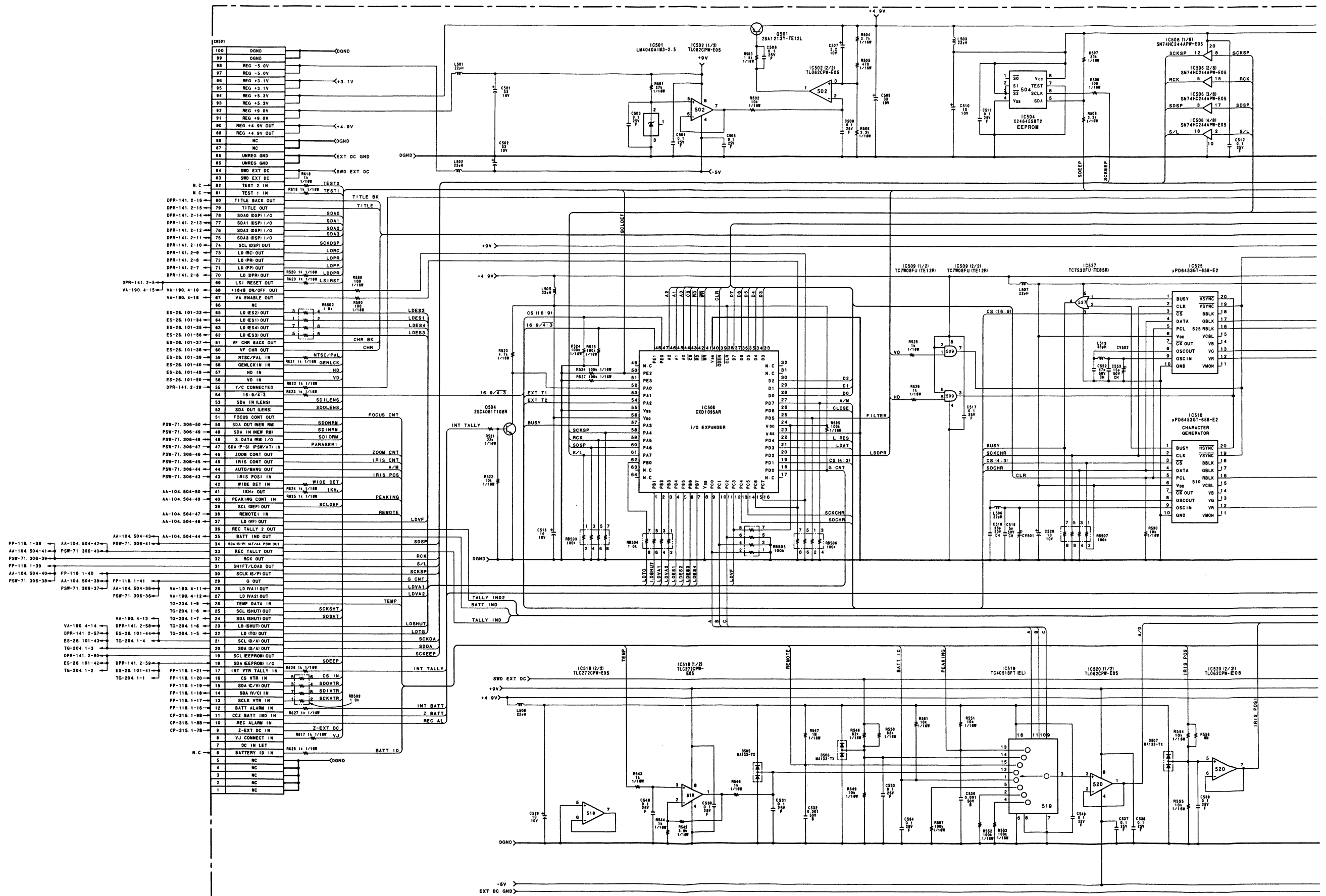


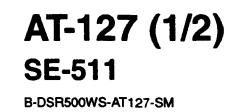


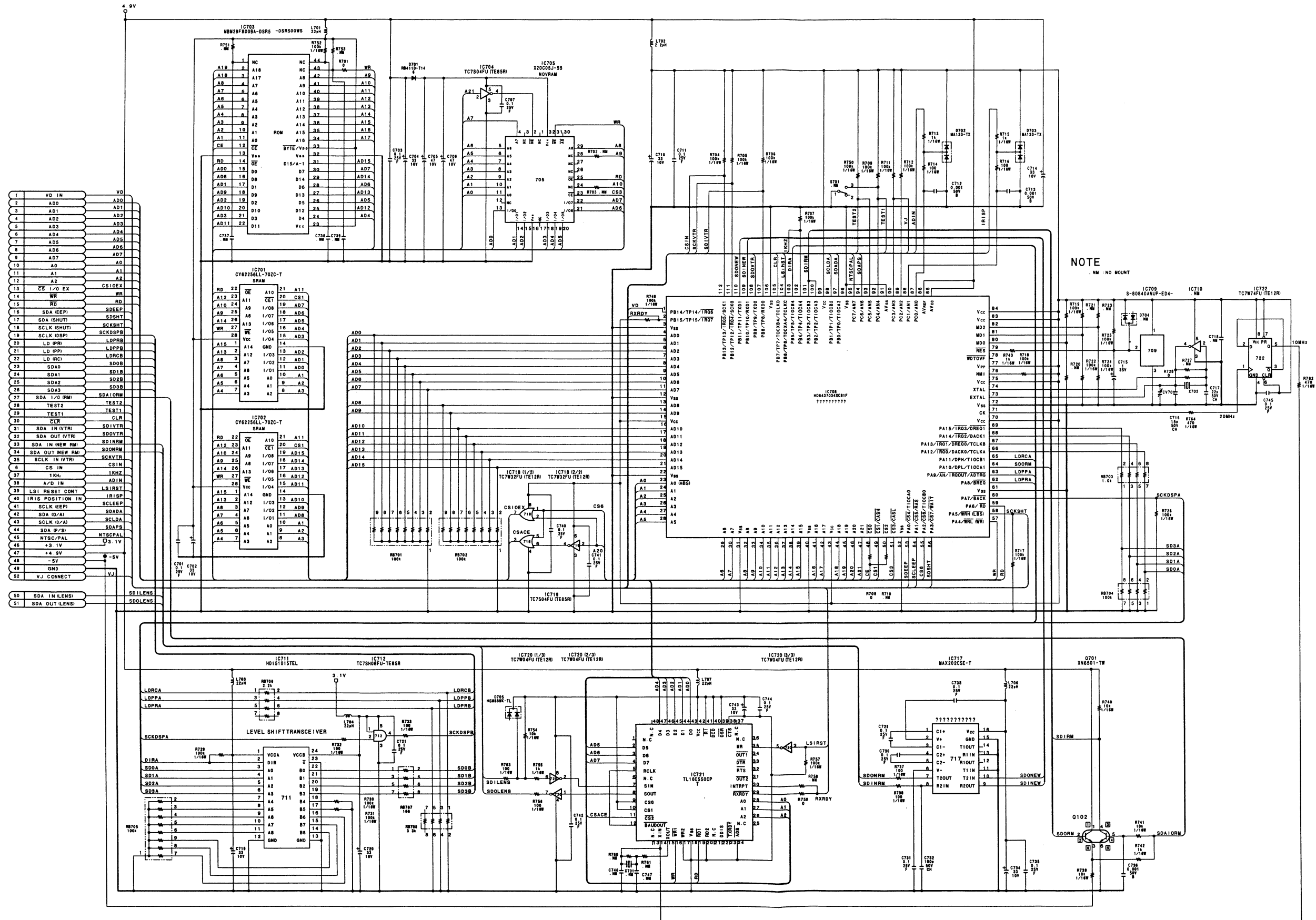












CN1 (MB)		CN2 (AT)	
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3	4	3	3
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7	8	7	7
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11	12	11	11
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15	16	15	15
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19	20	19	19
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41	42	41	41
43	44	43	43
45	46	45	45
47	48	47	47
49	50	49	49
51	52	51	51
53	54	53	53
55	56	55	55
57	58	57	57
59	60	59	59
61	62	61	61
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65	66	65	65
67	68	67	67
69	70	69	69
71	72	71	71
73	74	73	73
75	76	75	75
77	78	77	77
79	80	79	79
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99	100	99	99

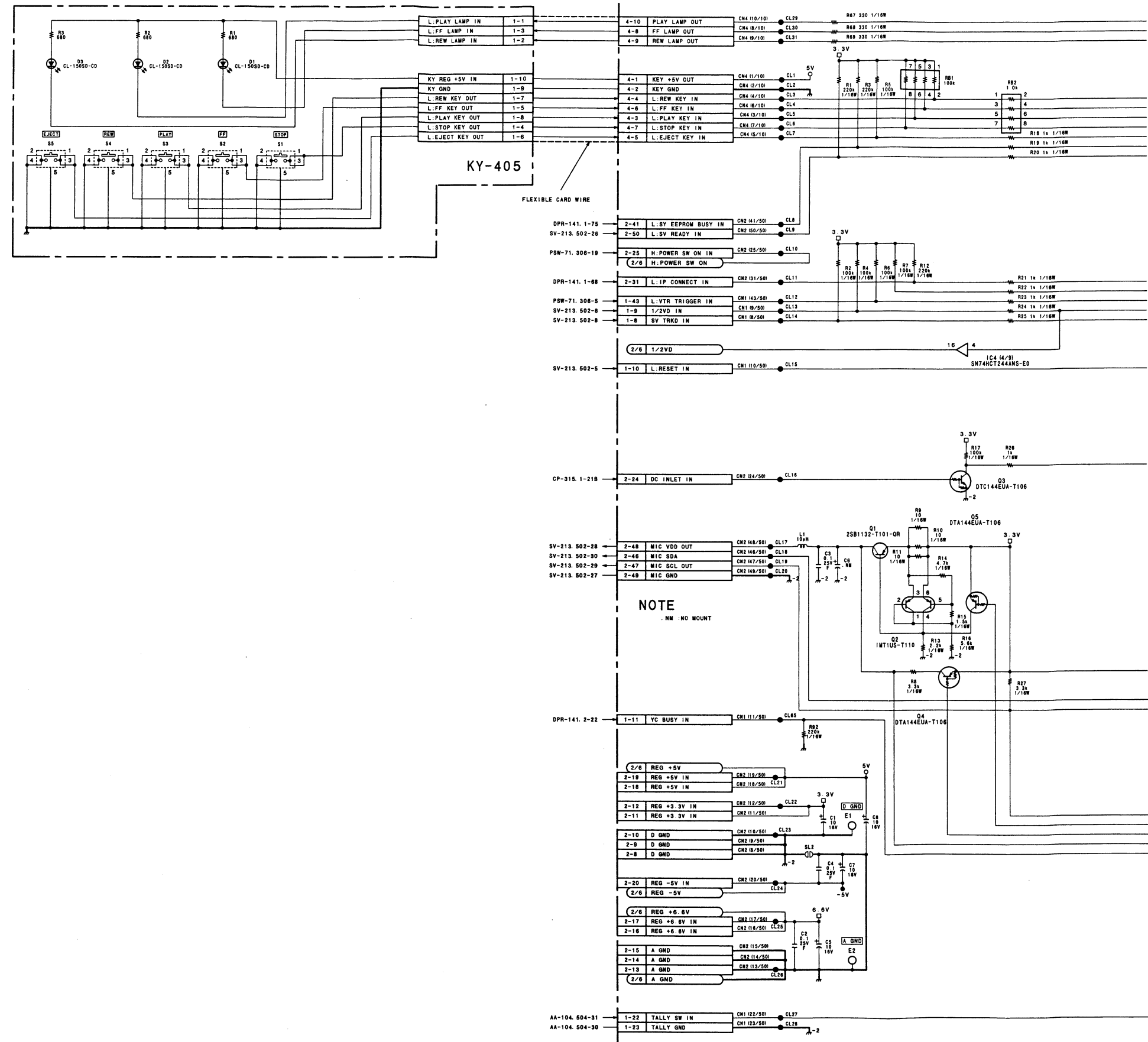
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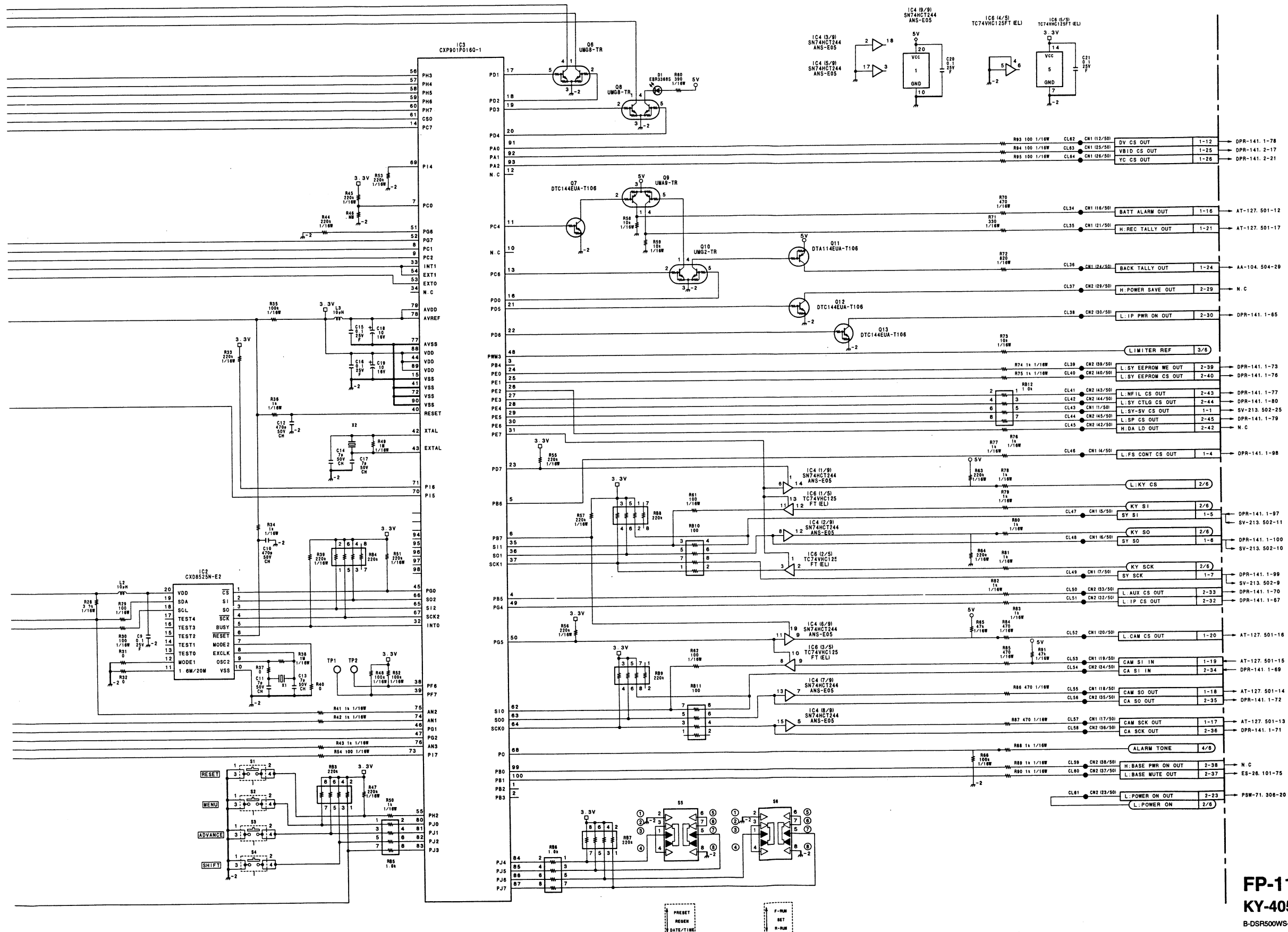
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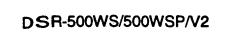
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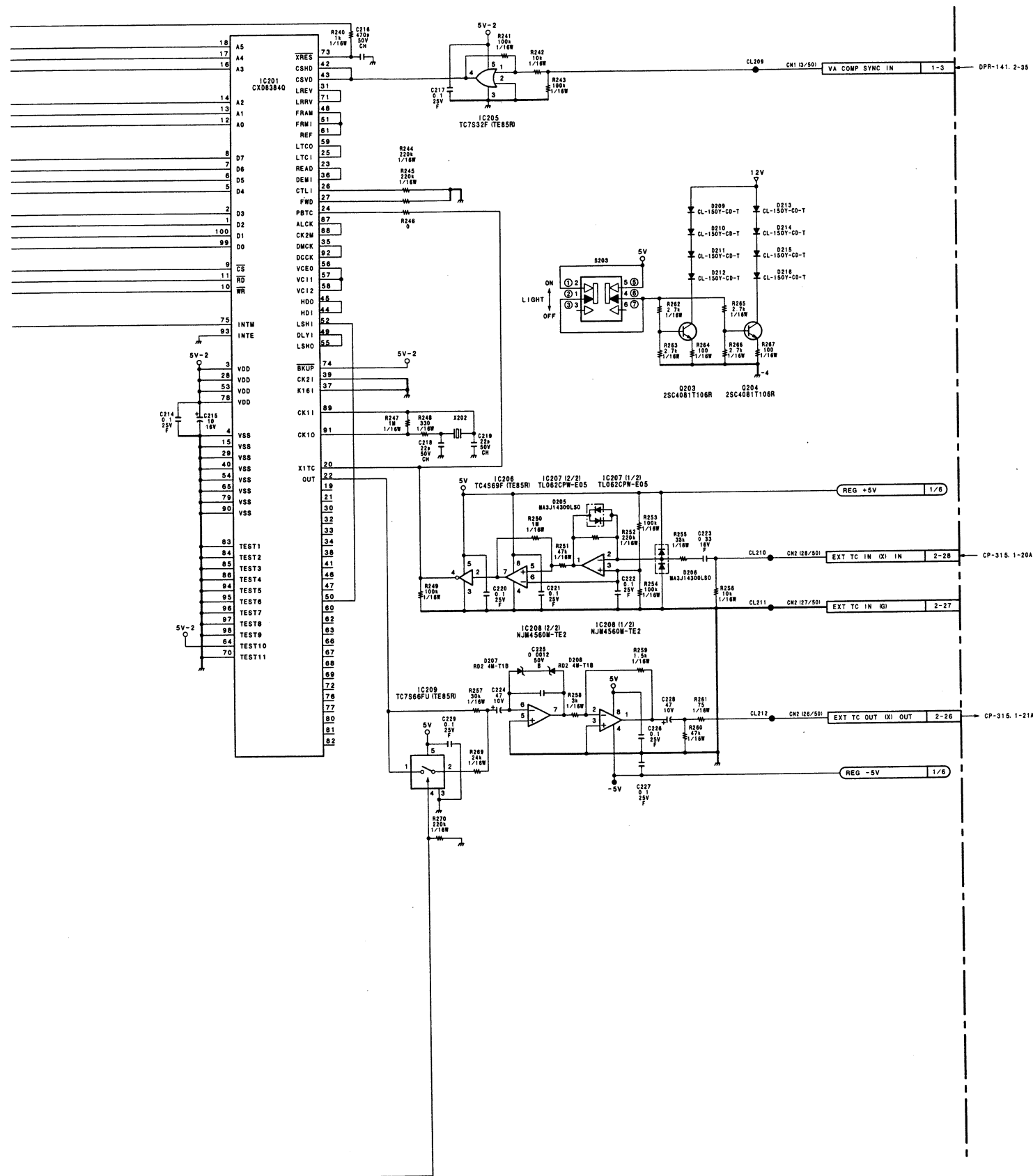
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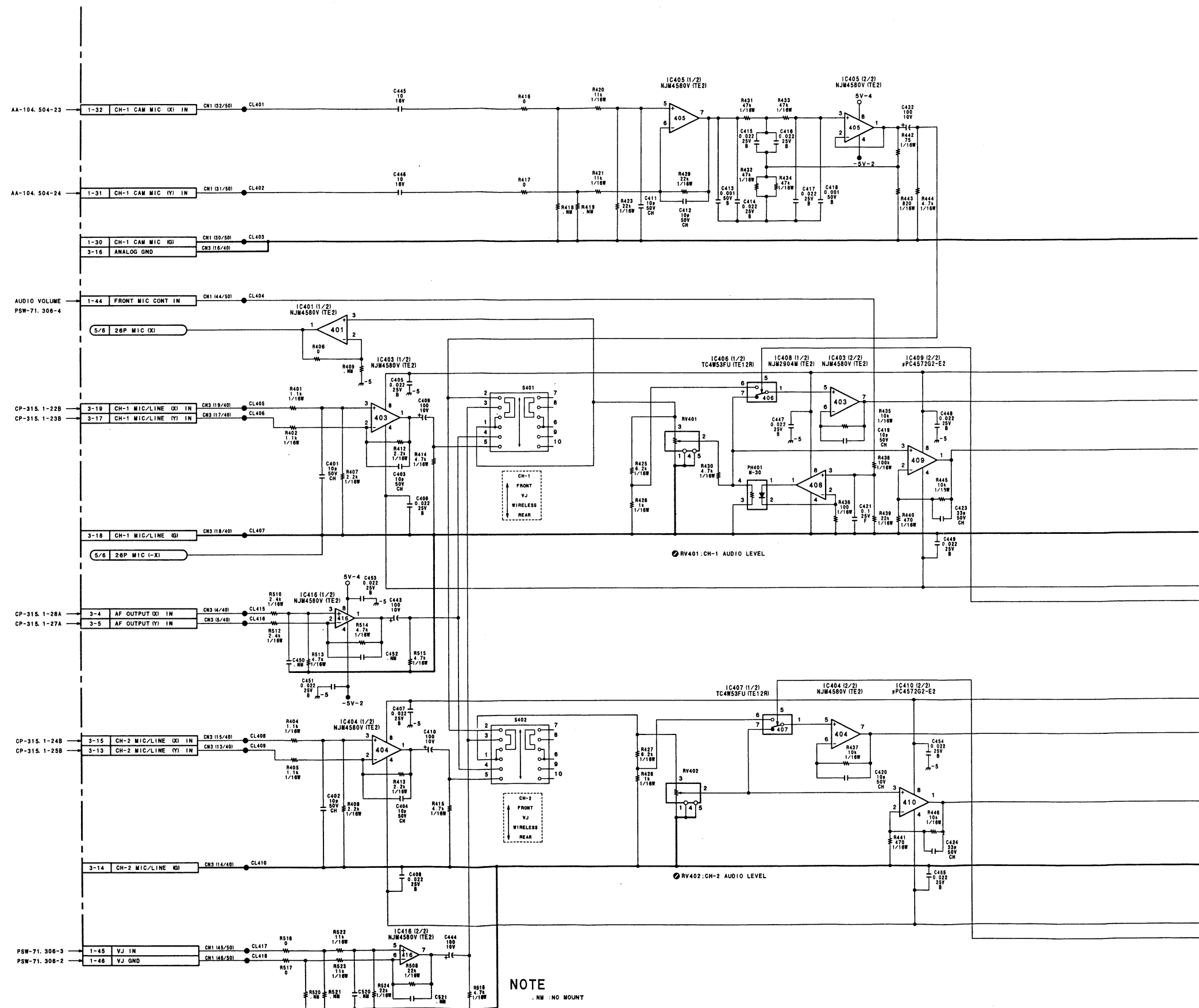
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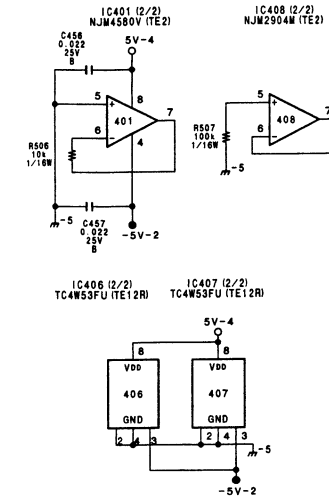




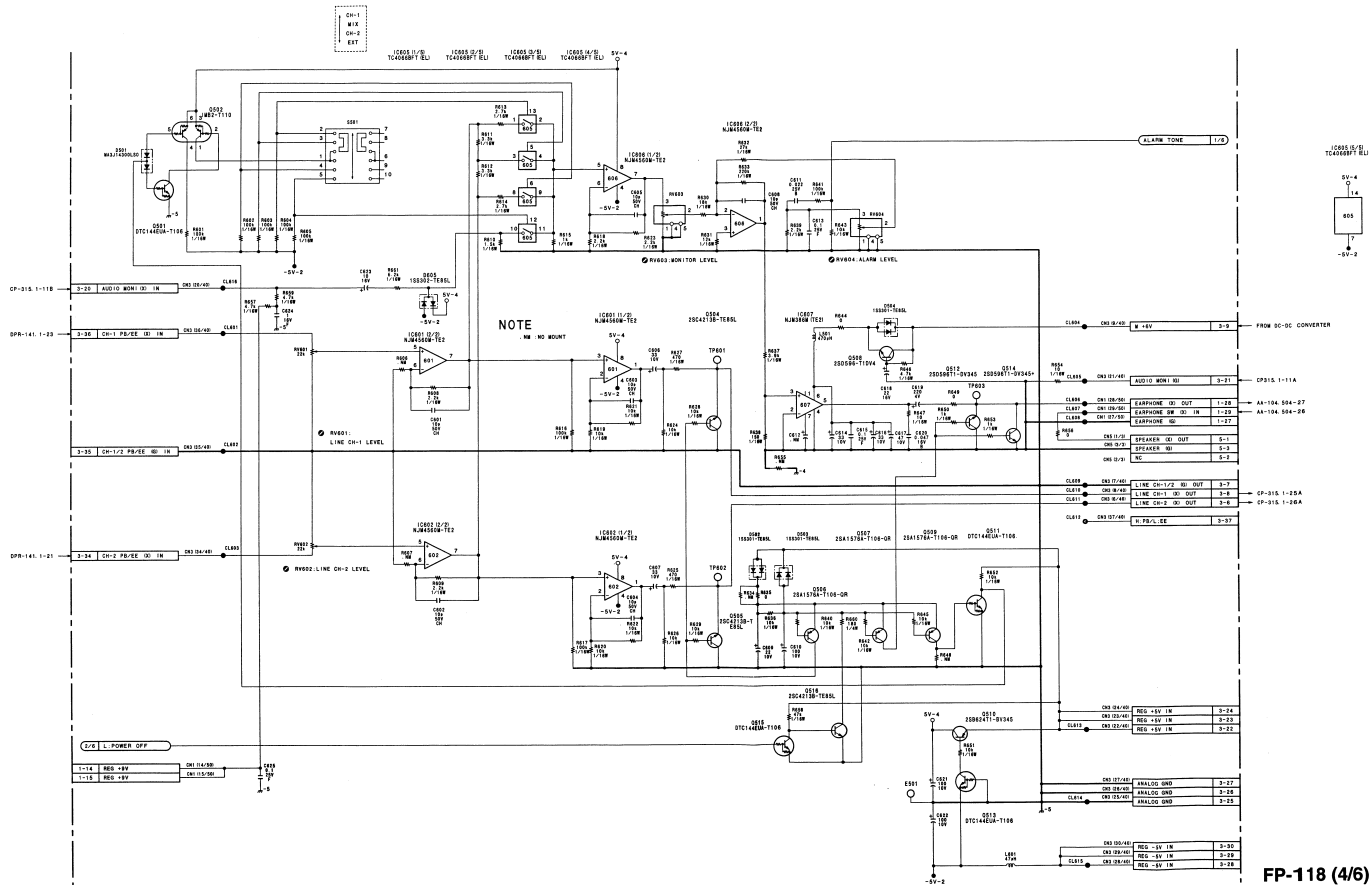


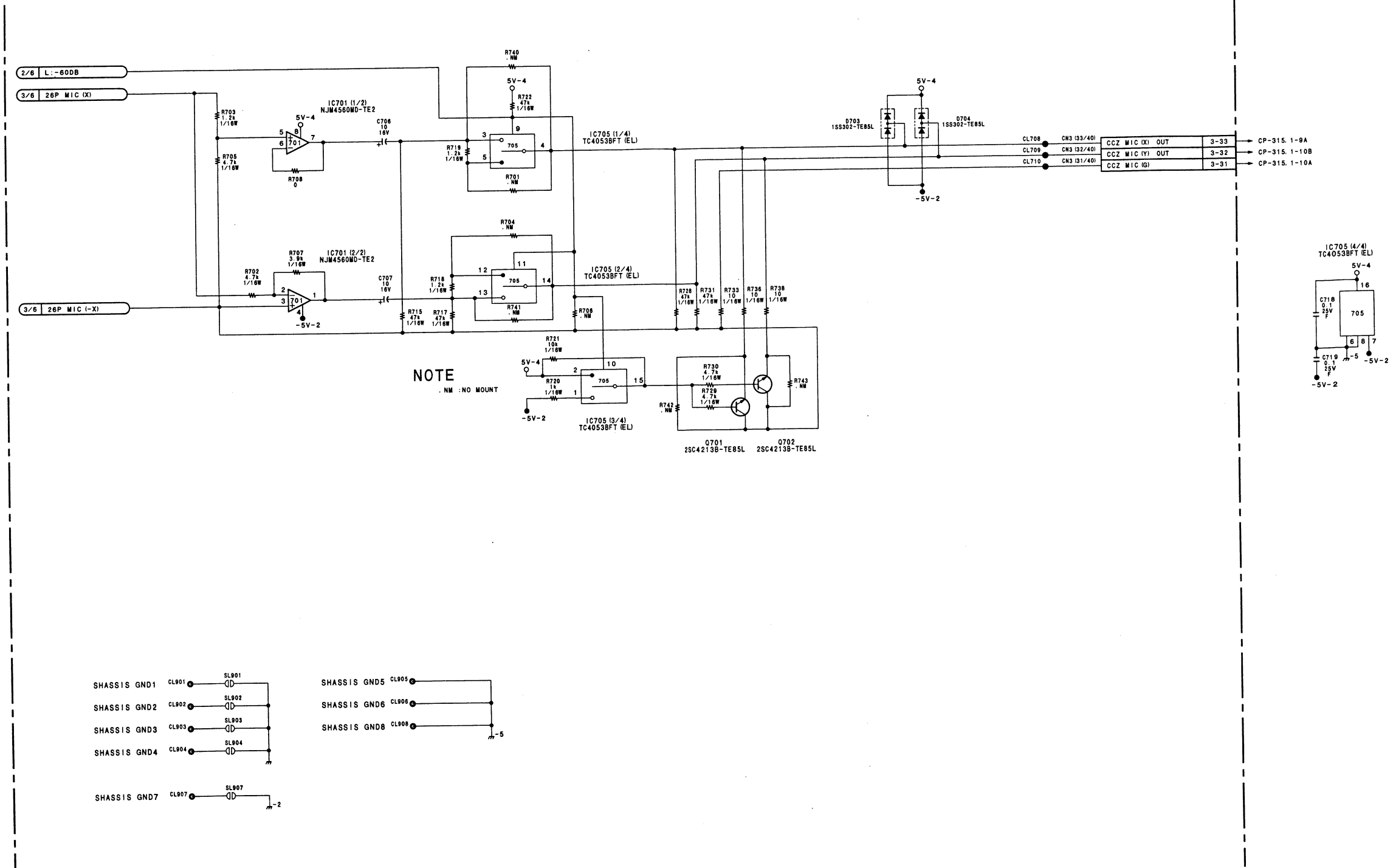




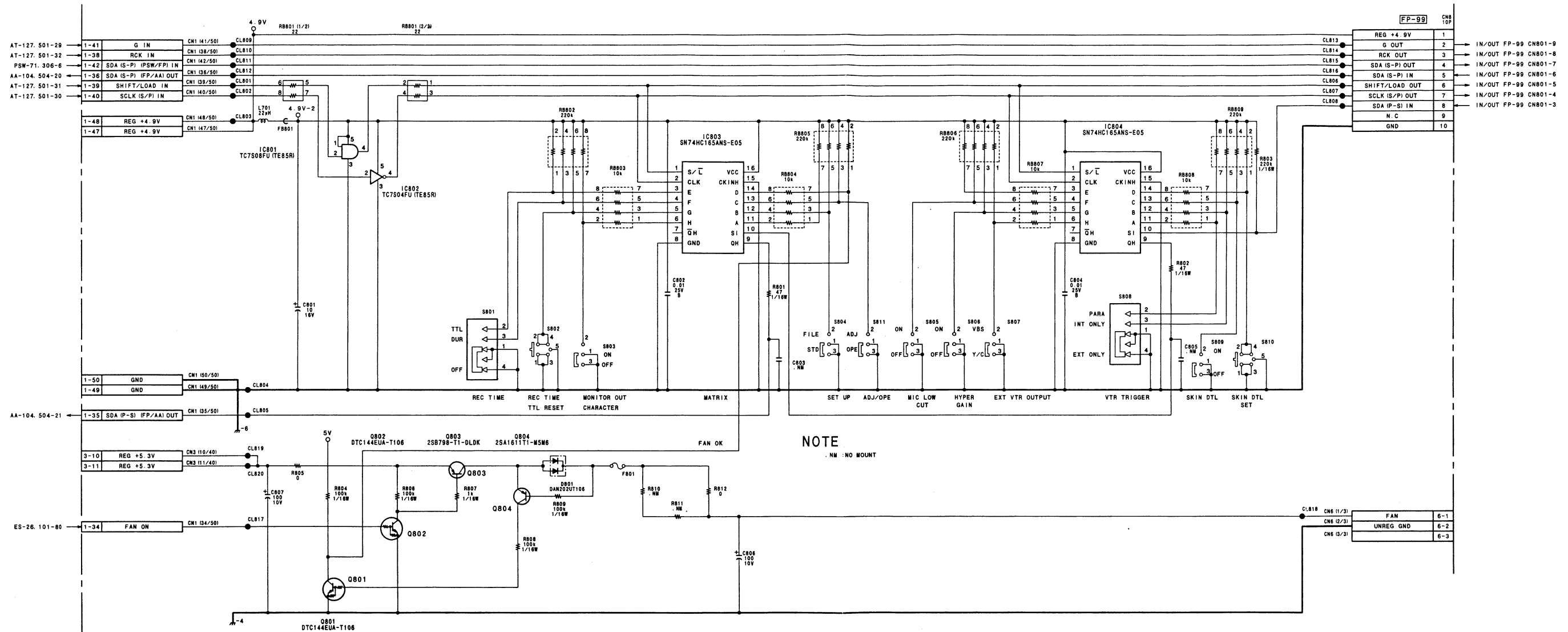


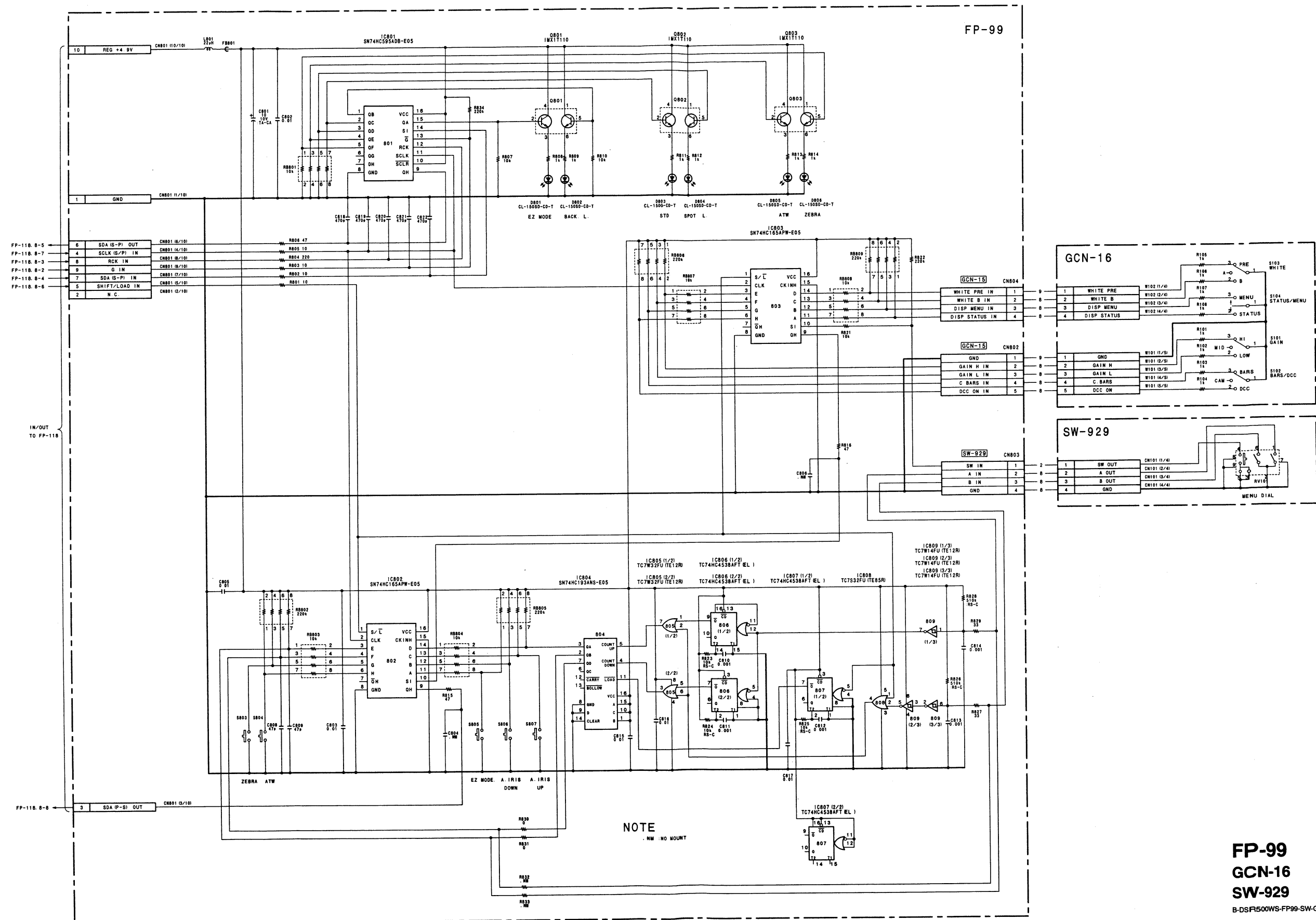
B-DSR500WS-FP118-SM





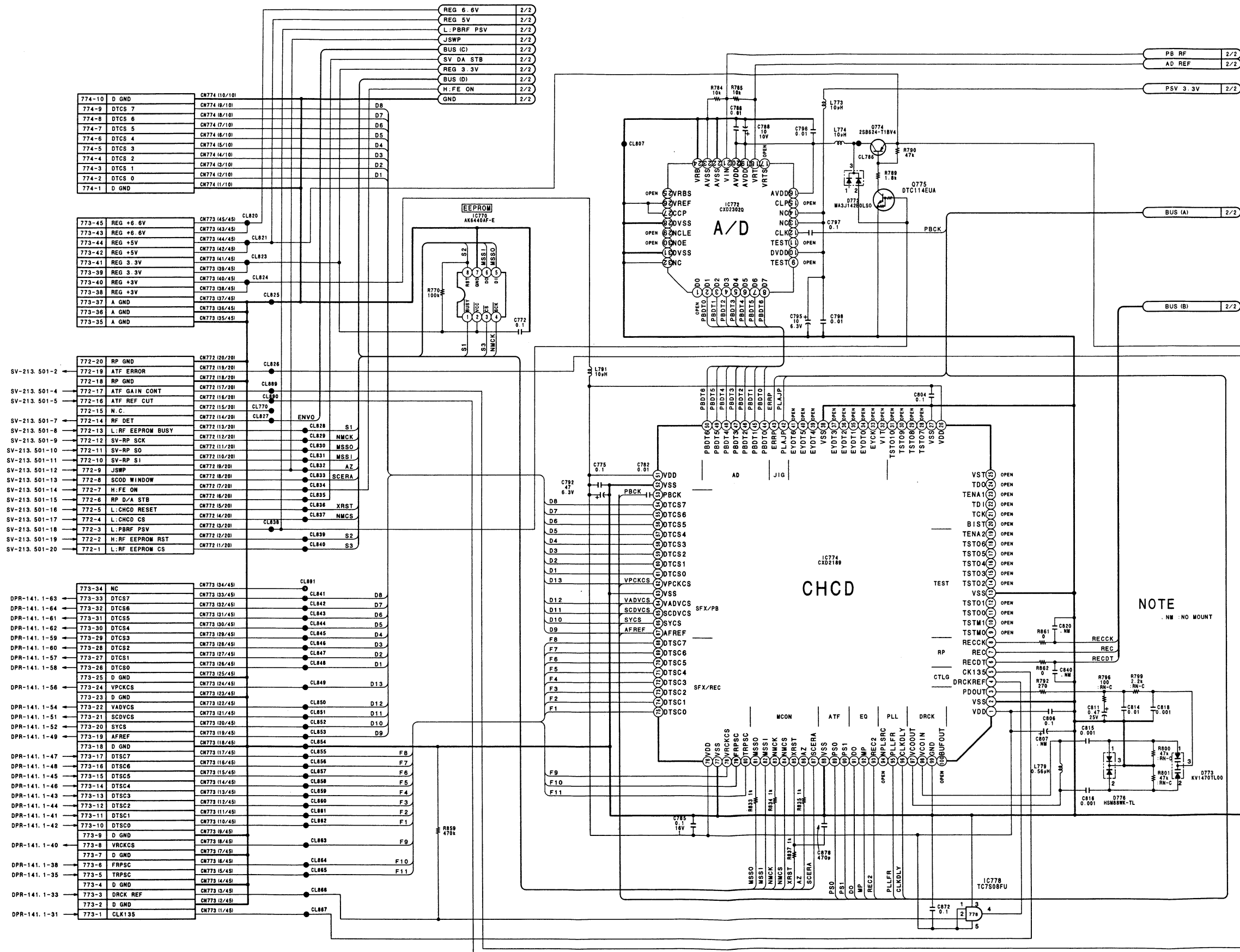
FP-118 (5/6)
B-DSR500WS-FP118-SM

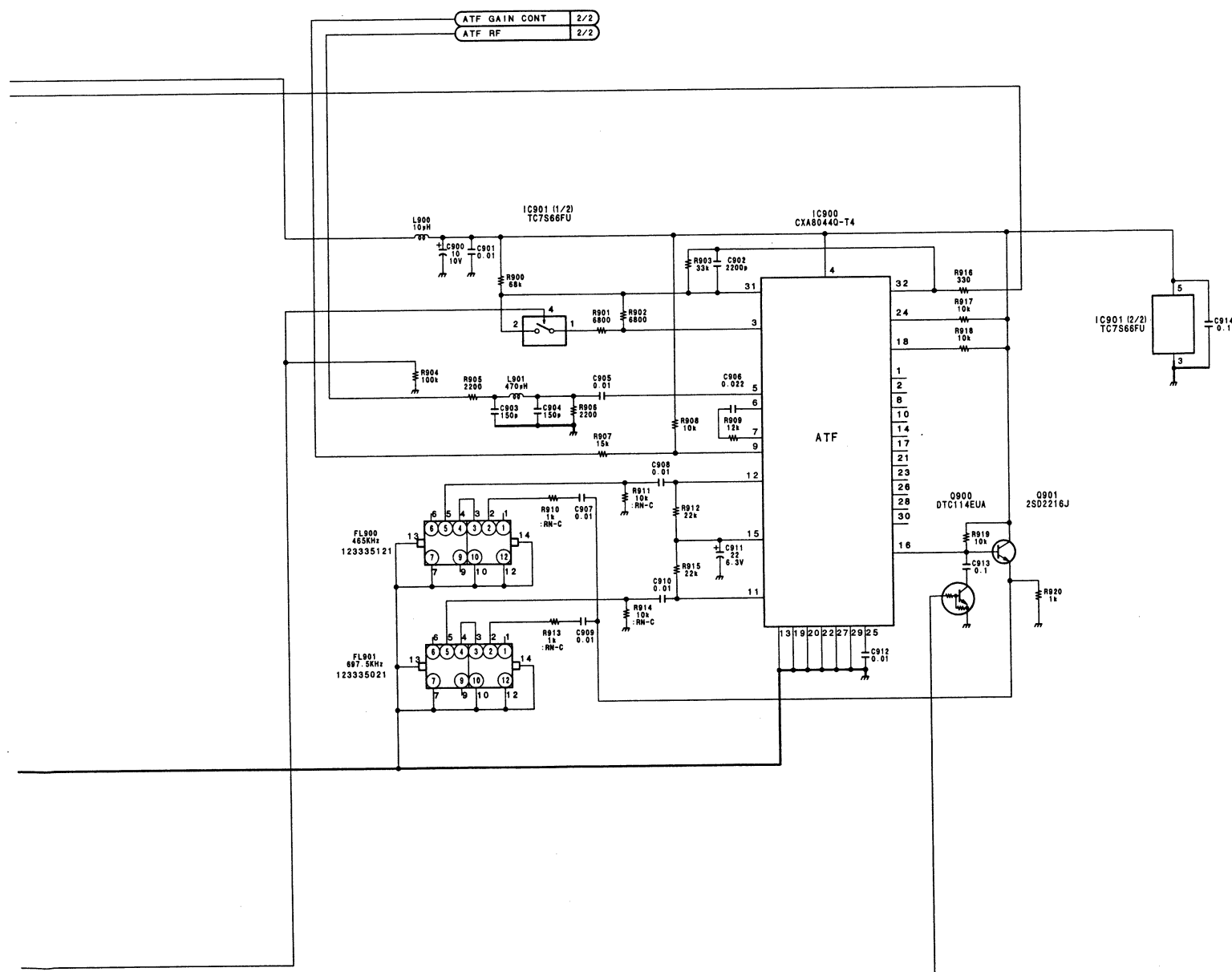


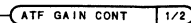


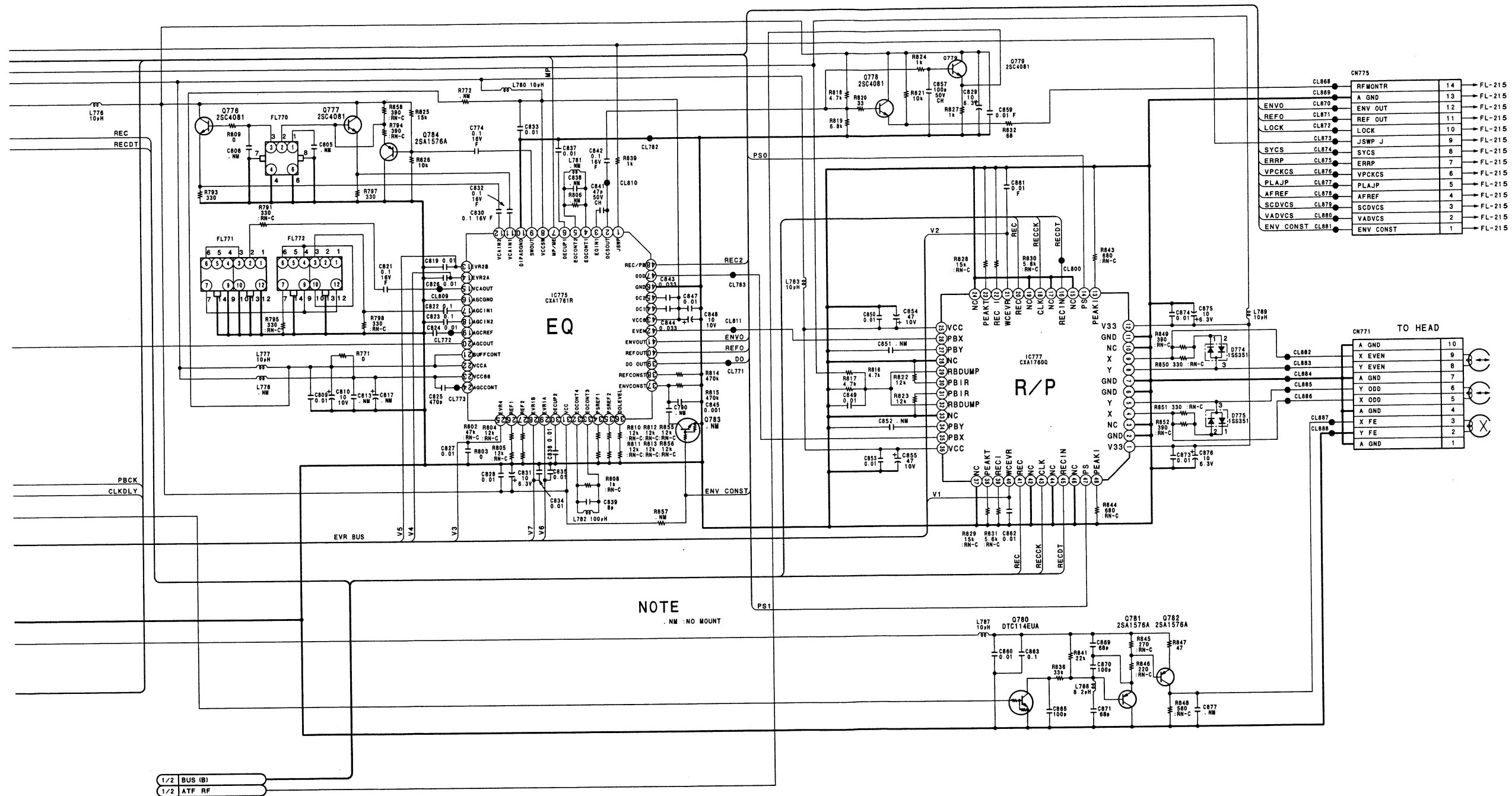
FP-99
GCN-16
SW-929

B-DSR500WS-FP99-SW-GCN-SM









NOTE
. NM : NO MOUNT

DSR-500WS/500WSP/V2

4-67

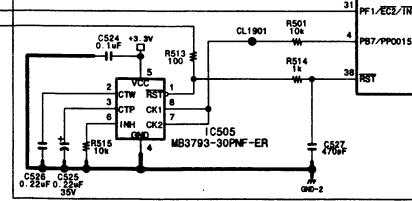
4-67

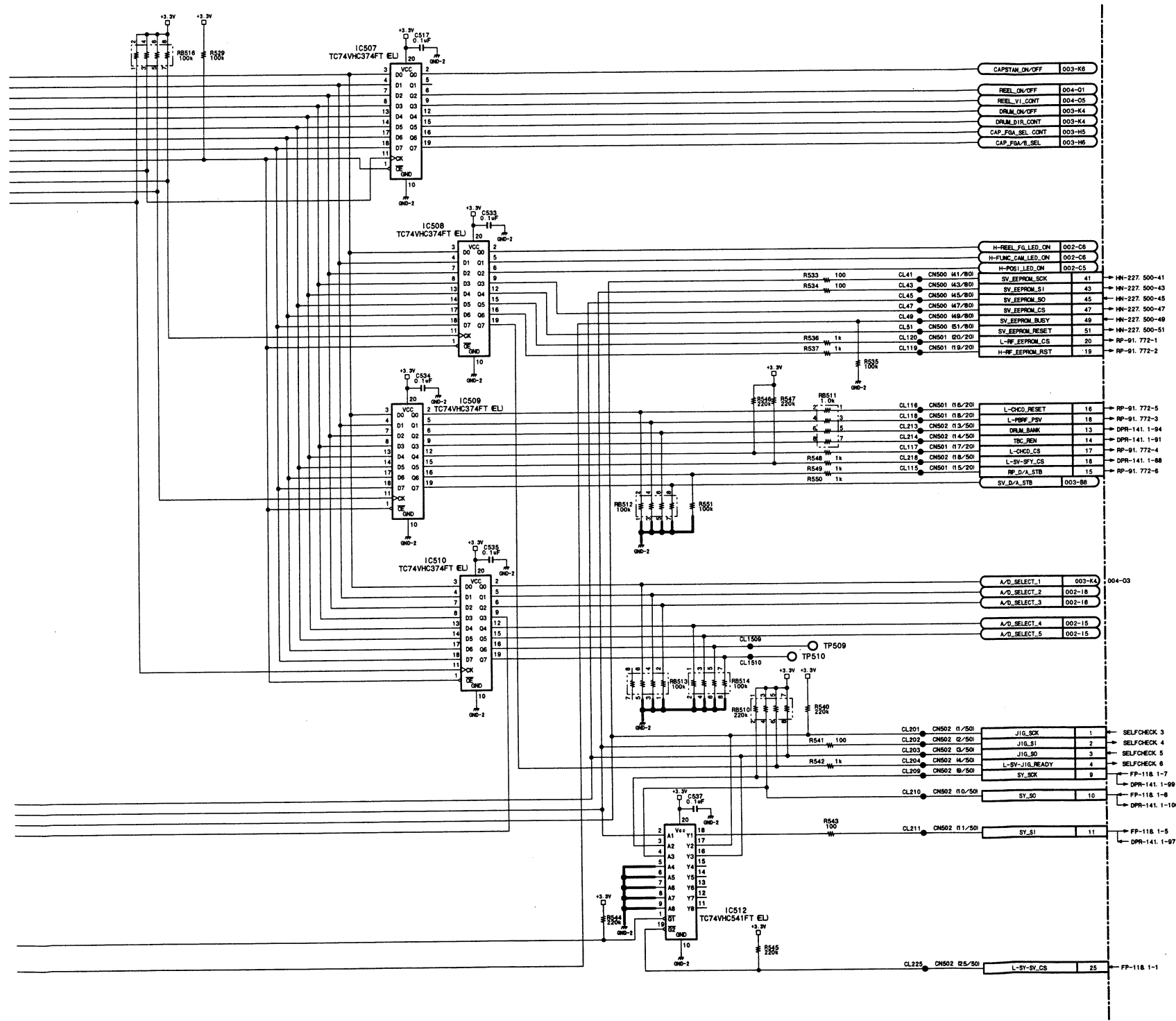
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O

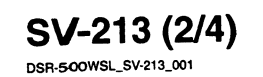
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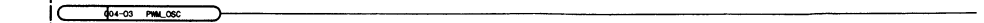
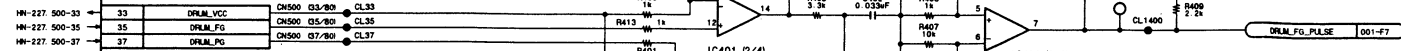
RP-91 (2/2)
B-DSR500WS-RP91-SM

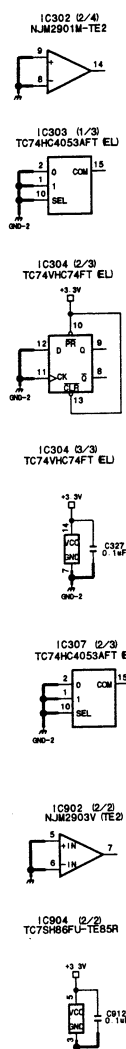




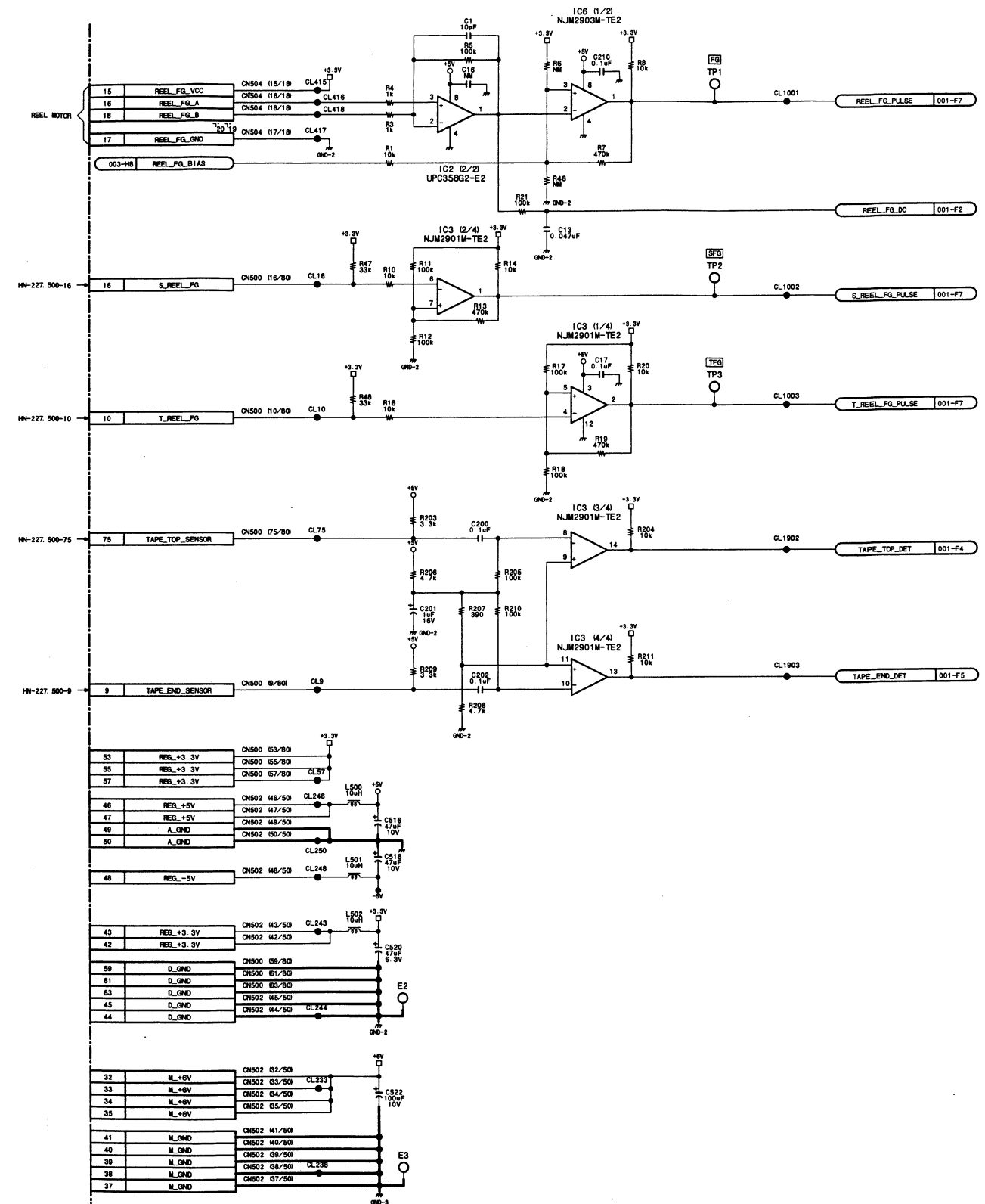
SV-213 (1/4)
SE-298
DSR-500WSL_SV-213_001

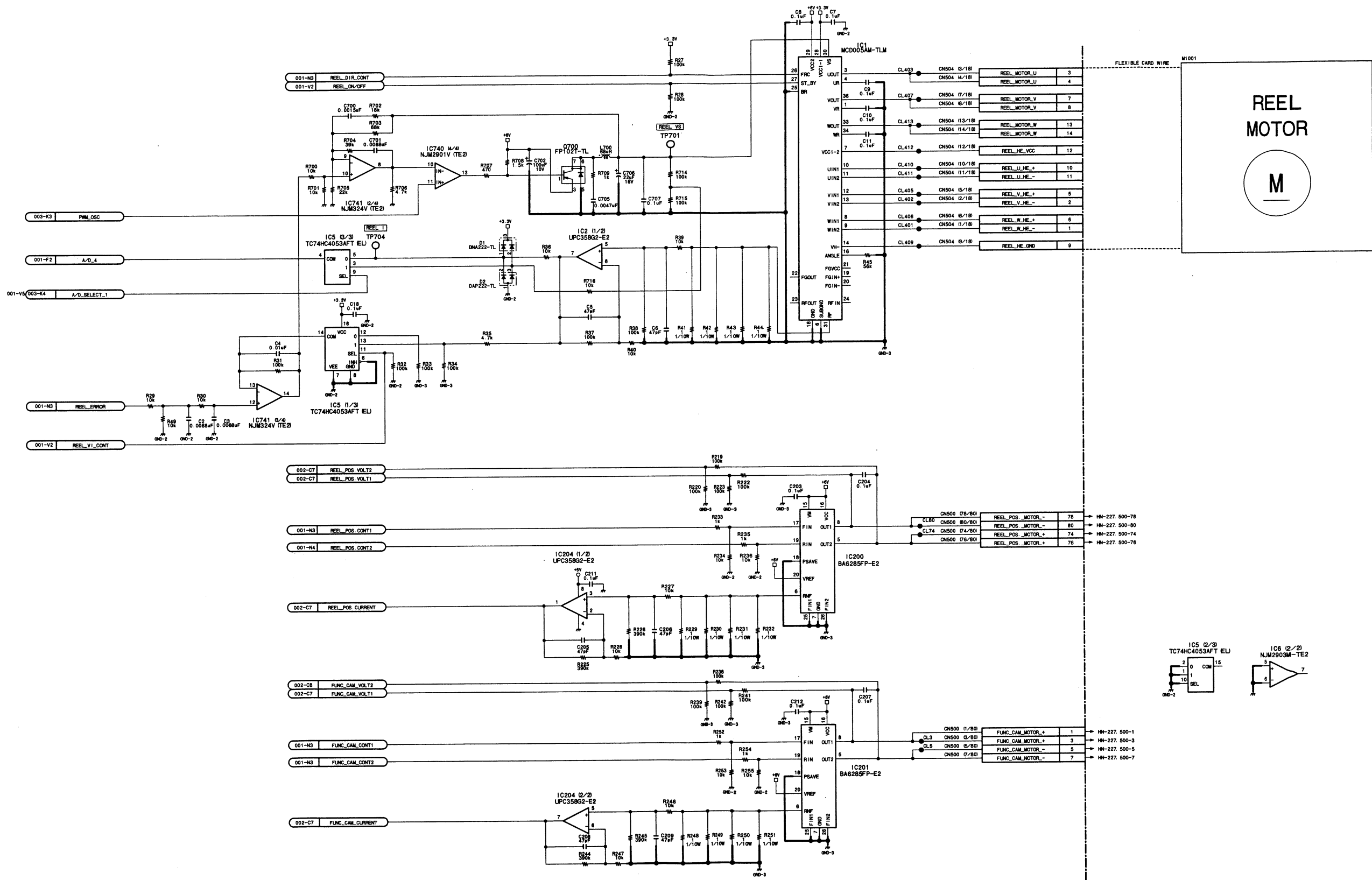




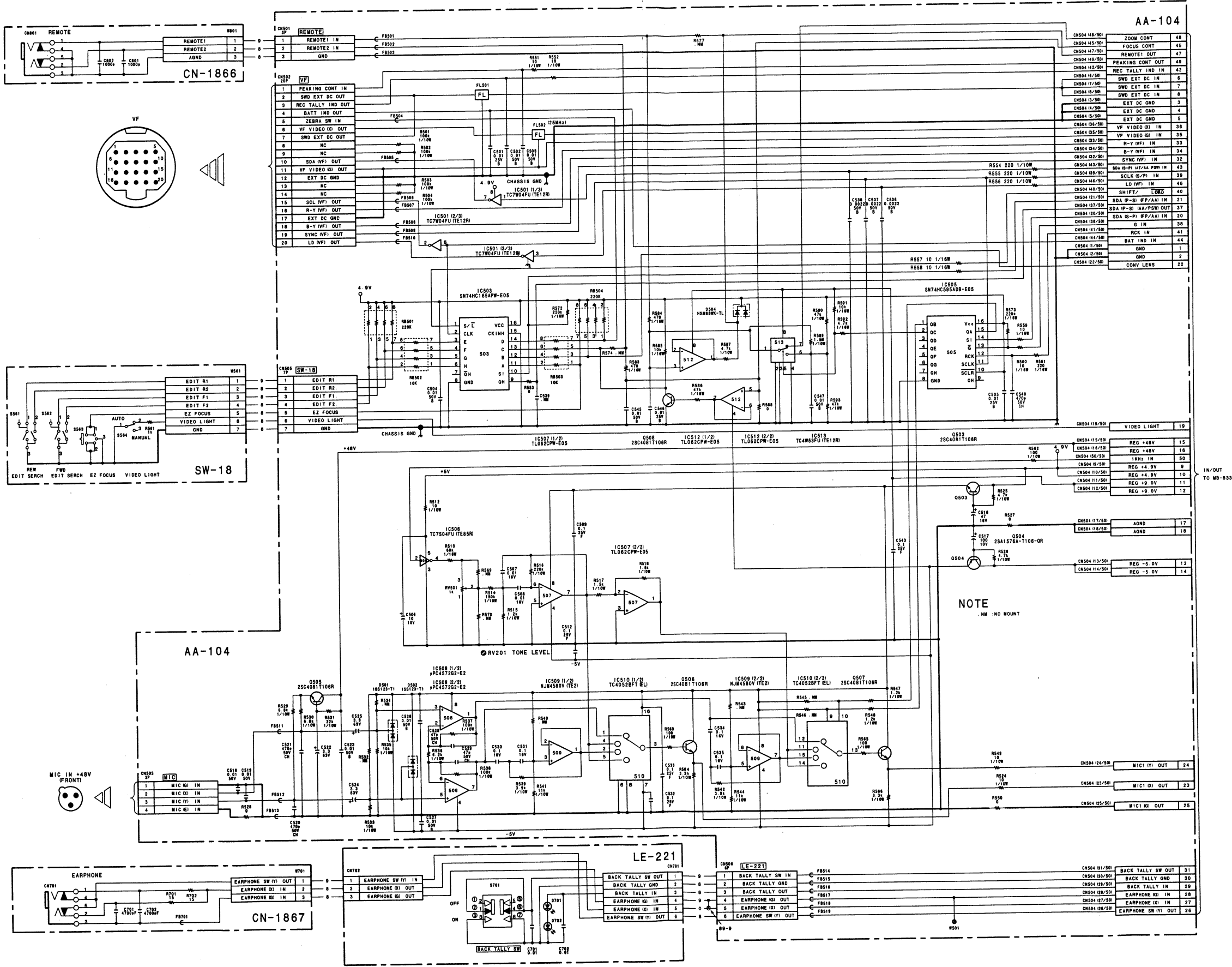


DSR-500WSL_SV-213_001

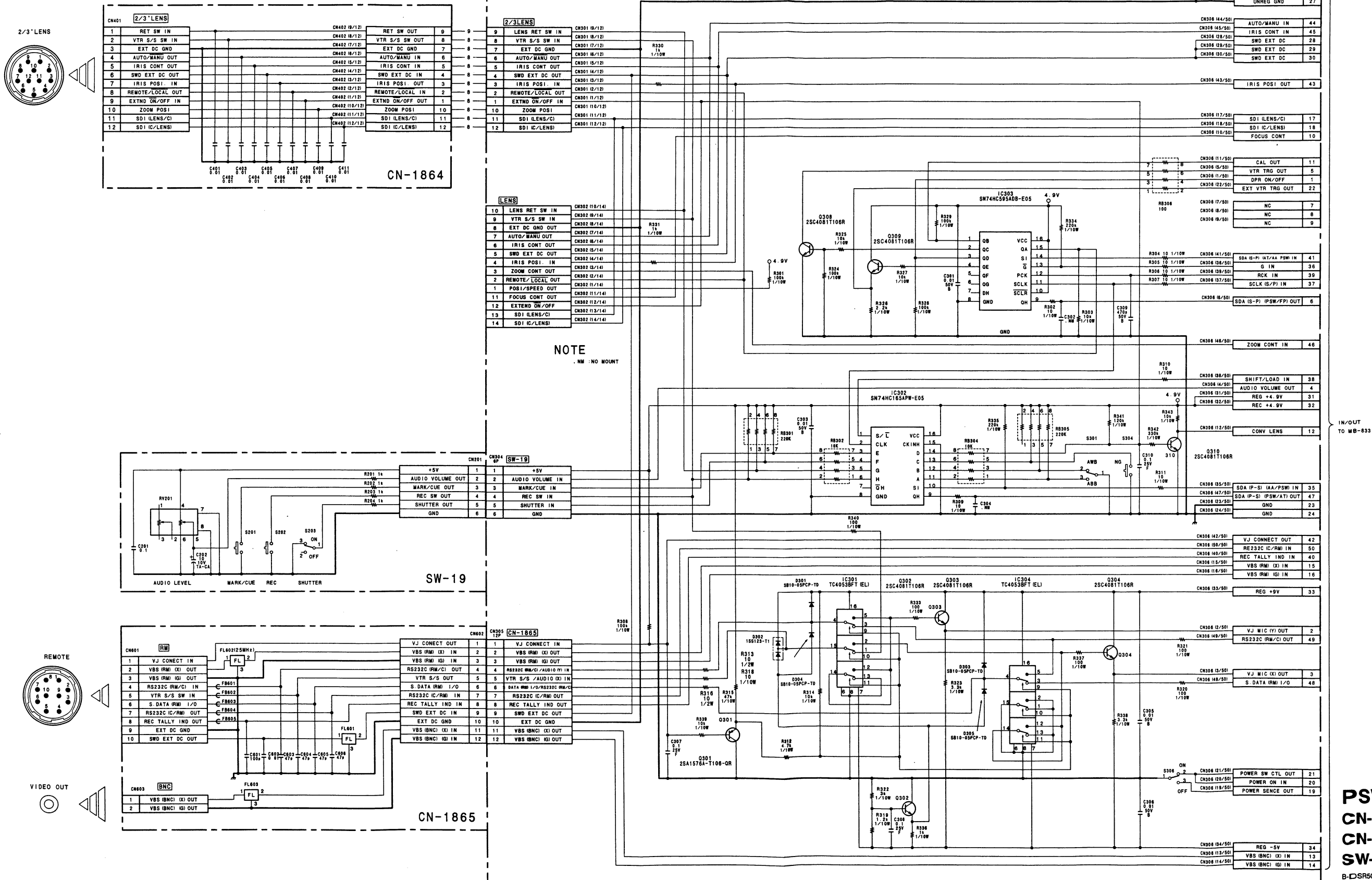








AA-104
CN-1866
CN-1867
LE-221
SW-18
B-DSR500WS-AA-CN-SW-SM



PSW-71
CN-1864
CN-1865
SW-19

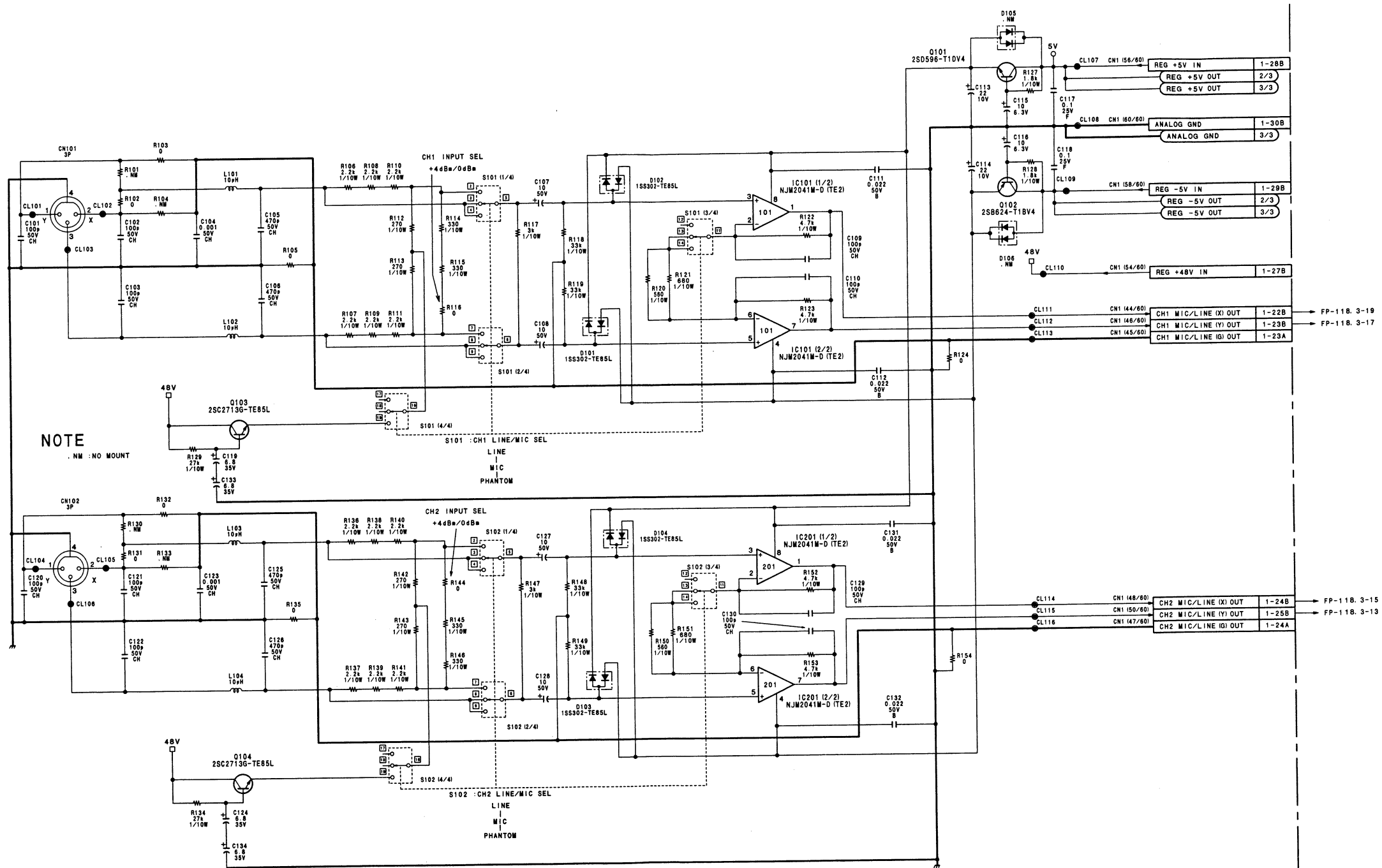
B-DSR500WS-PSW-CN-SW-SM

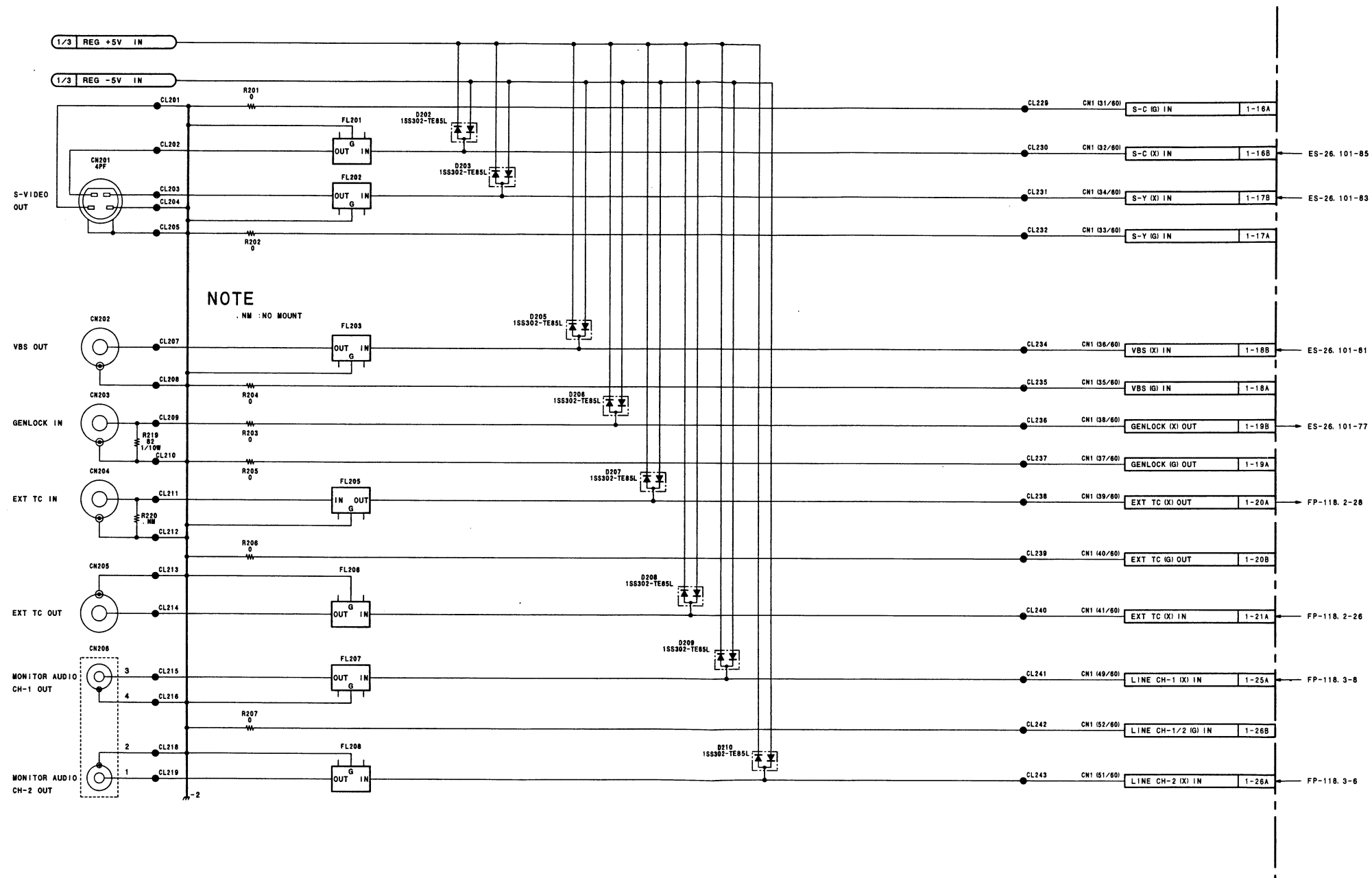
▷SR-500WS/500WSP/V2

CH1
AUDIO IN

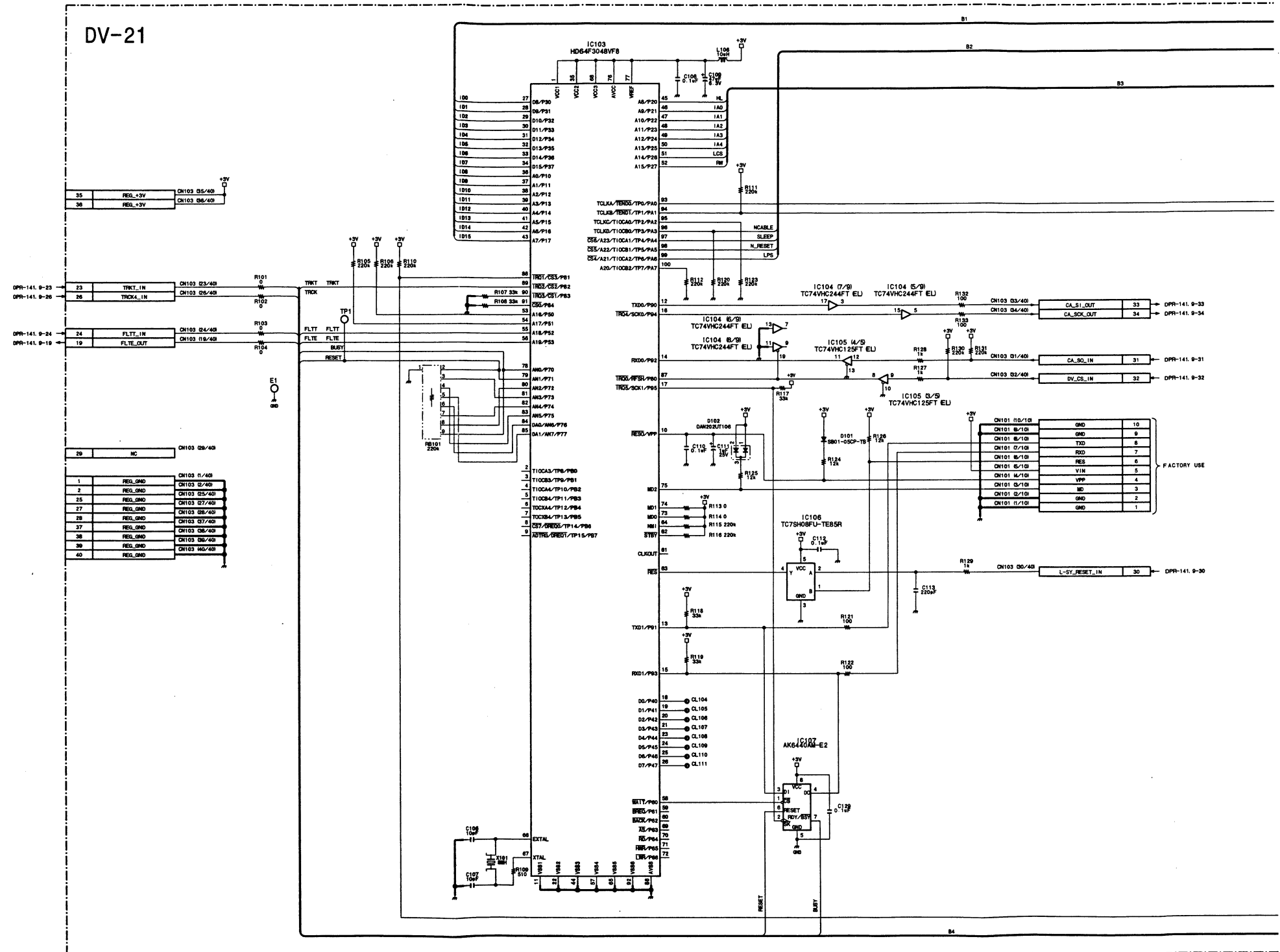
CH2
AUDIO IN

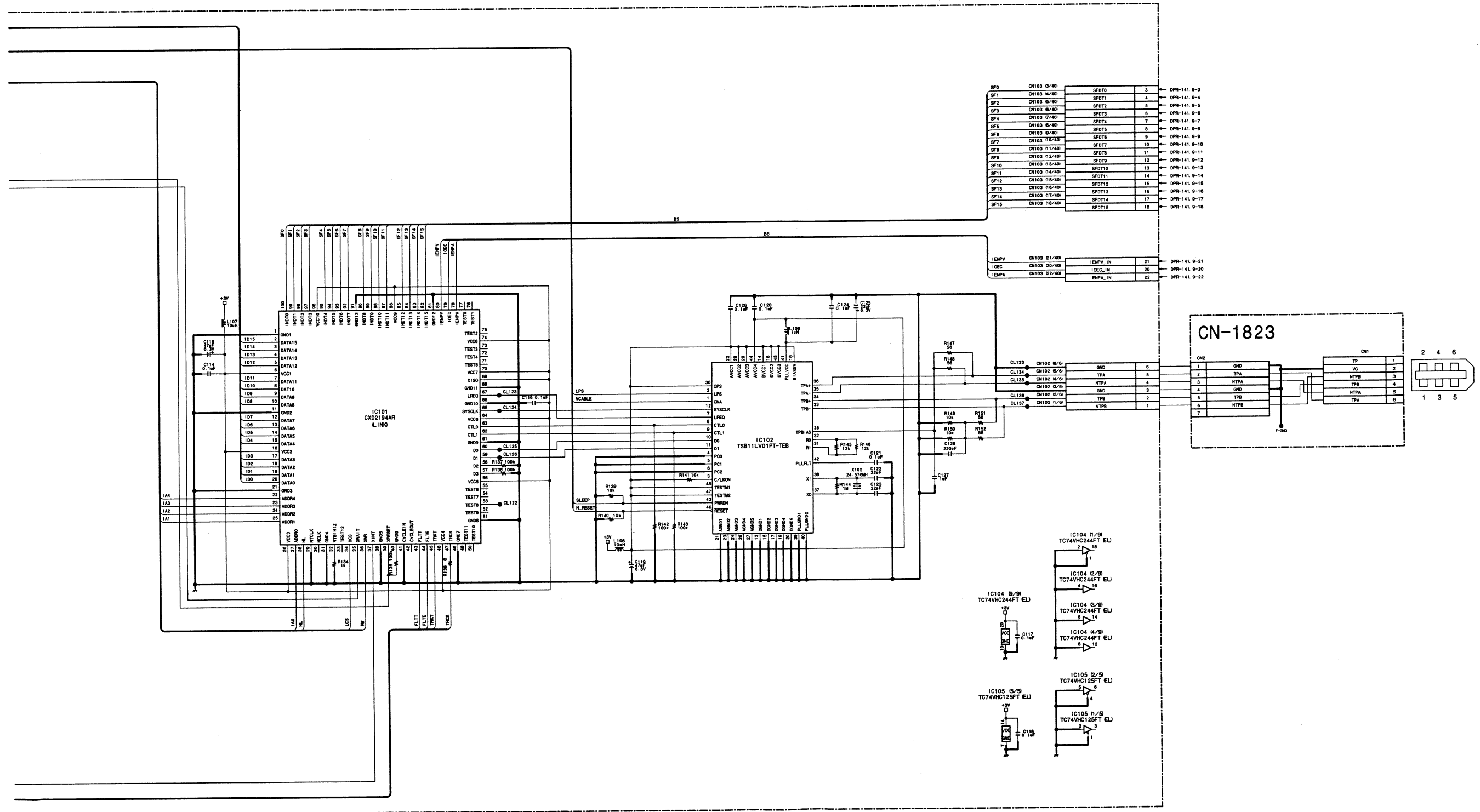
NOTE
NM: NO MOUNT



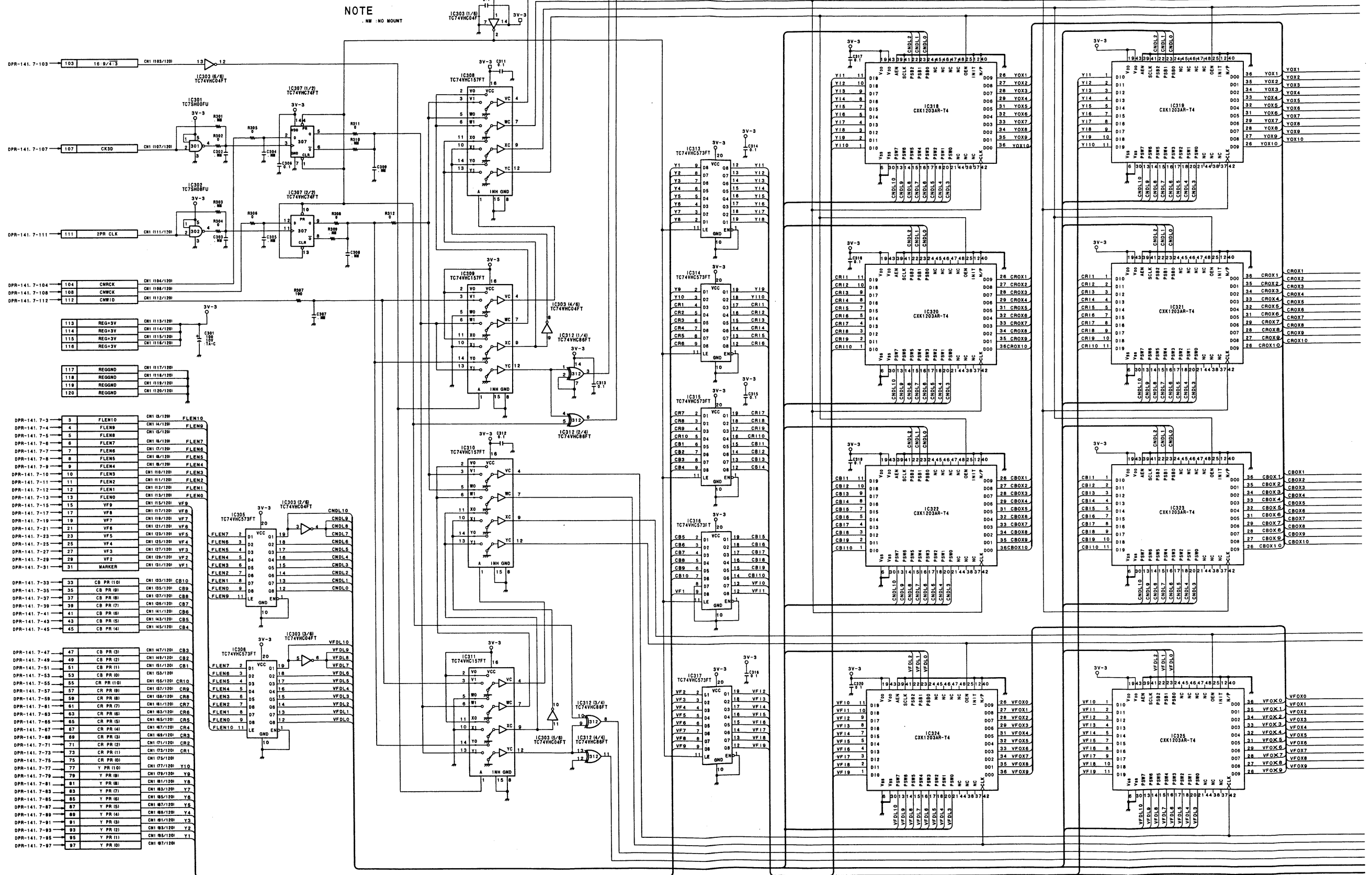


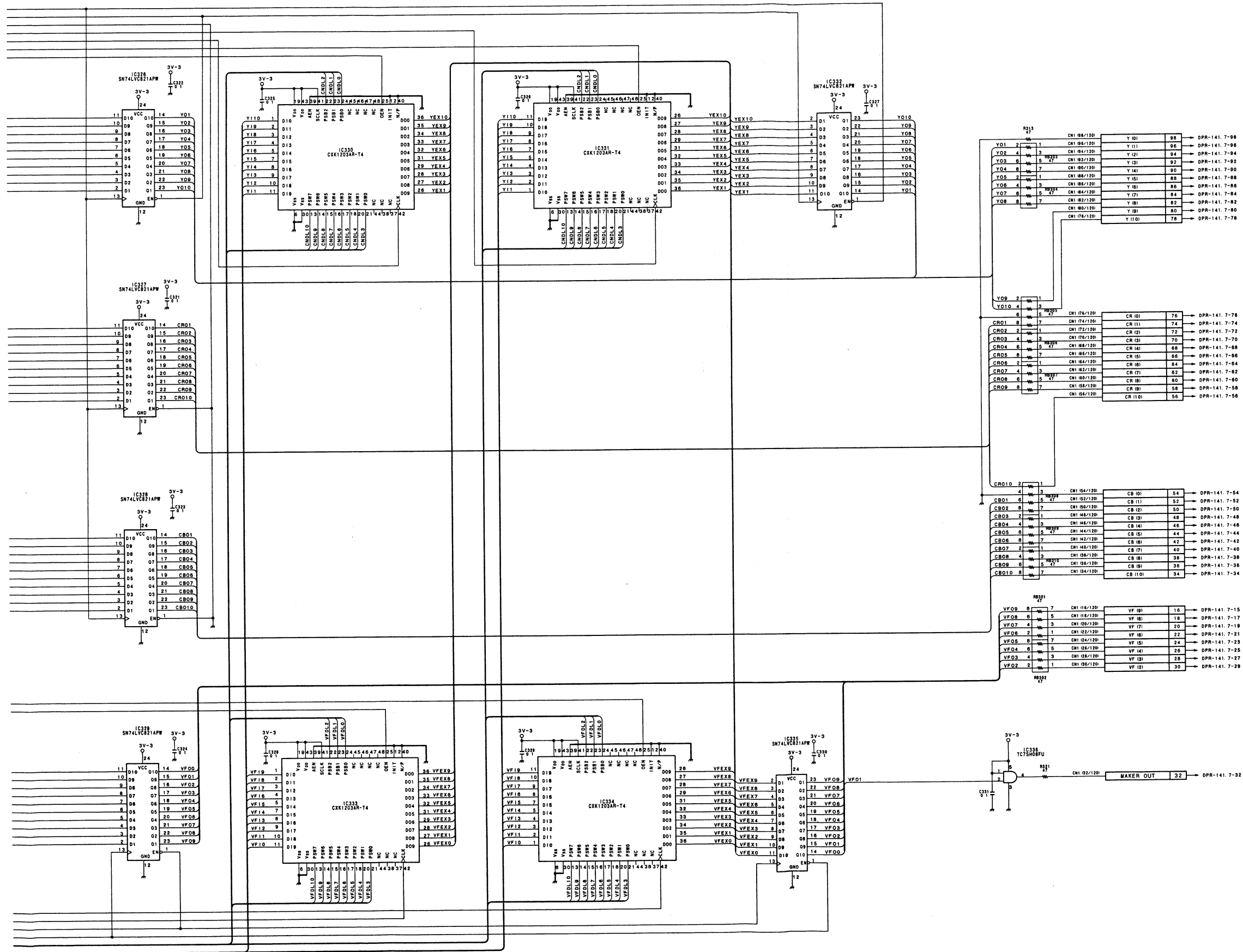




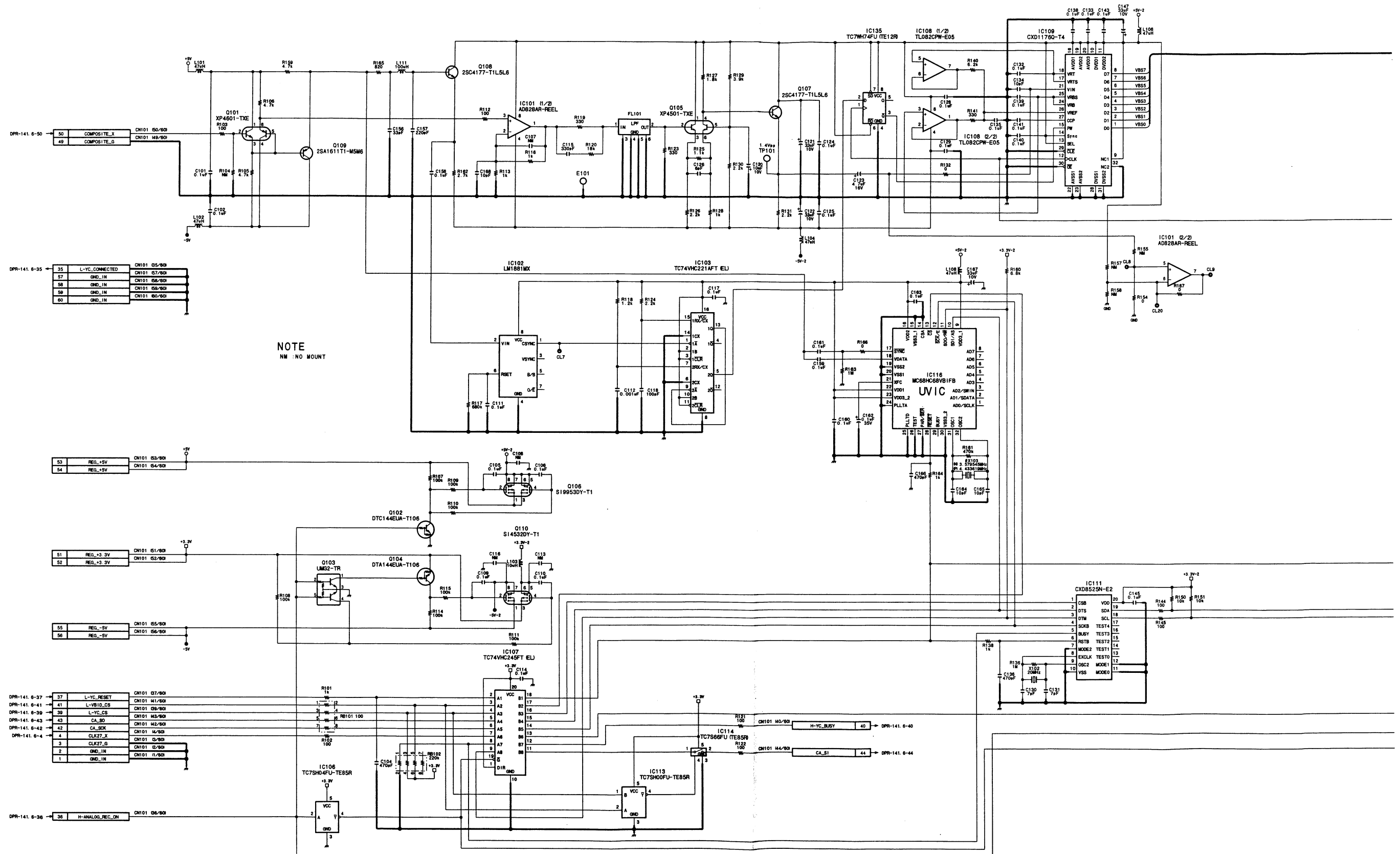


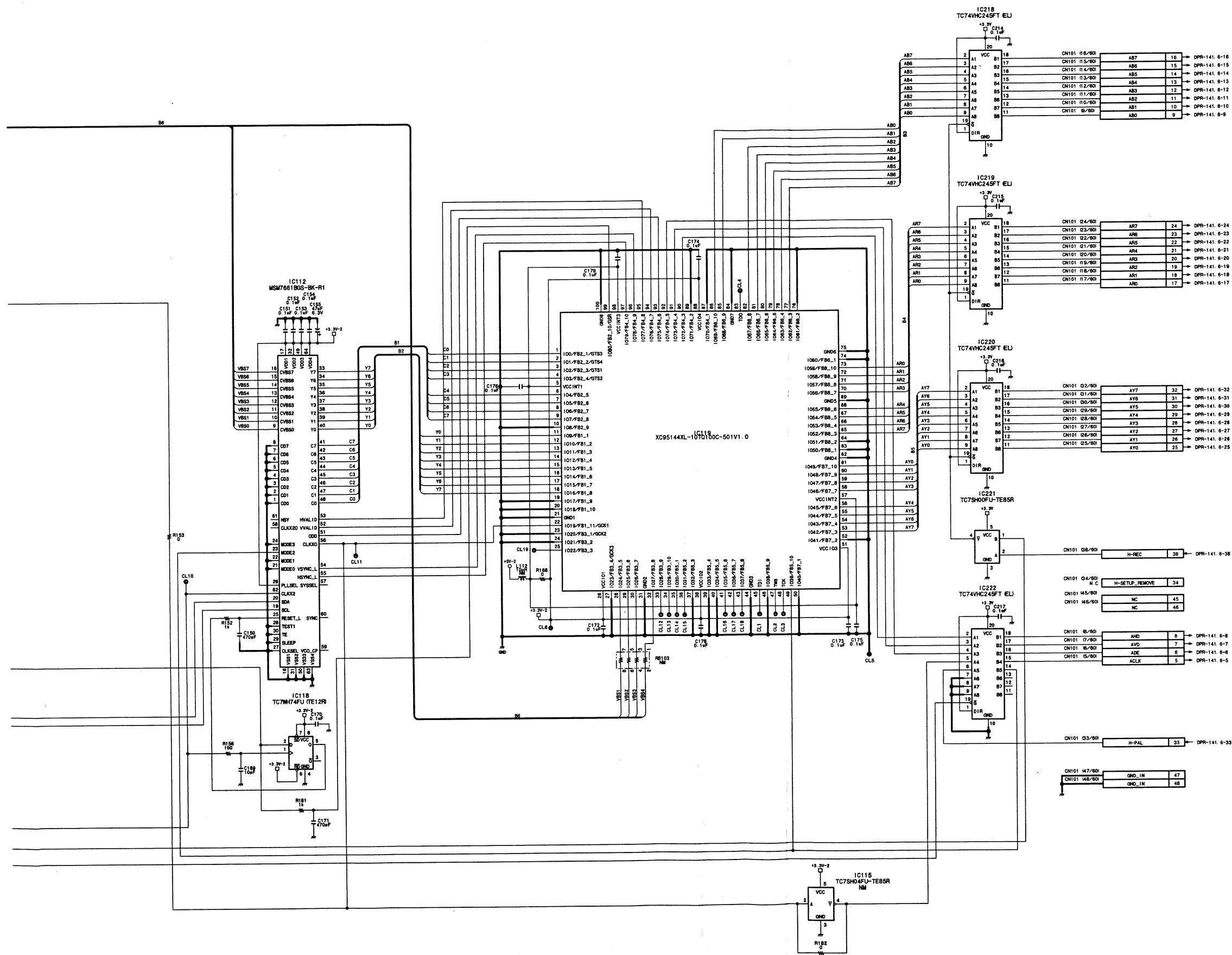
DV-21
CN-1823
DSR-500WSL_DV-21_001





VE-44
B-DSR500WS-VE44-SM





FP-118

FP-118 BOARD SIDE (CN1)

MB-833 BOARD SIDE

CN1			
50	1	REG GND	
49	2	REG GND	
48	3	REG +4.9V	
47	4	REG +4.9V	
46	5	VJ MIC (X)	OUT 16-49
45	6	VJ MIC (X)	OUT 16-48
44	7	AUDIO VOLUME	OUT 16-47
43	8	VTR TRIG	OUT 16-46
42	9	SDA (S-P) (PSW/FP)	OUT 16-45
41	10	G	OUT 14-13, 16-15, 20-28
40	11	SCLK (S-P)	OUT 14-12, 16-14, 20-30
39	12	SHIFT/LOAD	OUT 14-11, 16-13, 20-31
38	13	ROW	OUT 14-10, 16-12, 20-32
37	14	LIGHT SW	OUT 14-32
36	15	SDA (S-P) (FP/AA)	IN 14-31
35	16	SDA (S-P) (FP/AA)	IN 14-30
34	17	FAN ON	OUT 8-80
33	18	N.C	
32	19	MIC1 (X)	OUT 14-28
31	20	MIC1 (Y)	OUT 14-27
30	21	MIC1 (G)	OUT 14-26
29	22	EARPHONE SW (Y)	IN 14-25
28	23	EARPHONE (X)	OUT 14-24
27	24	EARPHONE (G)	OUT 14-23
26	25	L.VC CS	IN 8-21
25	26	L.VB1D CS	IN 8-17
24	27	BACK TALLY	IN 14-32
23	28	BACK TALLY GND	IN 14-31
22	29	BACK TALLY SW	OUT 14-20
21	30	INT VTR TALLY	IN 20-17
20	31	CS VTR	IN 20-16
19	32	SDA (C/V)	OUT 20-15
18	33	SDA (V/C)	IN 20-14
17	34	SCLK VTR	IN 20-13
16	35	BATT ALARM	IN 20-12
15	36	REG +9.0V	
14	37	REG +9.0V	
13	38	N.C	
12	39	L.VC CS	IN 7-78
11	40	H.VC BUSY	OUT 8-22
10	41	L:RESET	OUT 8-4, 10-48
9	42	1/2 VD	OUT 8-1, 9-7, 10-45
8	43	SV TRKD	OUT 8-2, 10-43
7	44	SV SCK	IN 7-99, 10-42
6	45	SV SO	IN 7-100, 10-41
5	46	SV SI	OUT 7-97, 10-40
4	47	L:FS CONT CS	IN 7-98
3	48	CSYNC (VTR)	OUT 8-35, 8-85
2	49	L:IP LI OFF	IN 7-96
1	50	L:SV-SV CS	IN 10-28

FP-118

FP-118 BOARD SIDE (CN2)

MB-833 BOARD SIDE

CN2			
50	1	L:SV READY	OUT 10-25
49	2	MIC GND	OUT 10-24
48	3	MIC VDD	OUT 10-23
47	4	MIC SCL	IN 10-22
46	5	MIC SDA	I/O 10-21
45	6	L:SP SV CS	IN 7-79
44	7	L:SY CTLG CS	IN 7-80
43	8	L:NFIL CS	IN 7-77
42	9	H:DA LD	N.C
41	10	L:SY EEPROM BUSY	OUT 7-75
40	11	L:SY EEPROM CS	IN 7-76
39	12	L:SY EEPROM WE	IN 7-73
38	13	H:BASE PWR ON	N.C
37	14	H:BASE MUTE	IN 8-75
36	15	CA SCK	IN 7-71
35	16	CA SO	IN 7-72
34	17	CA SI	OUT 7-69
33	18	L:AUX CS	IN 7-70
32	19	L:IP CS	IN 7-67
31	20	L:IP CONNECT	OUT 7-68
30	21	L:IP PWR ON	IN 7-65
29	22	H:POWER SAVE	IN NC
28	23	EXT TC INPUT (X)	OUT 19-40
27	24	EXT TC (G)	IN 19-39
26	25	EXT TC OUTPUT (X)	IN 19-42
25	26	H:MAIN SW ON	OUT 18-32
24	27	DC INLET	OUT 19-41, 20-7
23	28	L:POWER ON (FP-PSW)	IN 18-31
22	29	LIGHT CONT	IN 19-28
21	30	BATTERY ID	OUT 19-27, 20-8
20	31	REG -5.0V	
19	32	REG +5.0V	
18	33	REG +5.0V	
17	34	REG +6.8V	
16	35	REG +6.8V	
15	36	REG GND	
14	37	REG GND	
13	38	REG GND	
12	39	REG +3.4V	
11	40	REG +3.4V	
10	41	REG GND	
9	42	REG GND	
8	43	REG GND	
7	44	LITHIUM	IN 7-87
6	45	SWD EXT DC	
5	46	SWD EXT DC	
4	47	SWD EXT DC	
3	48	UNREG GND	
2	49	UNREG GND	
1	50	UNREG GND	

SELF CHECK

CN2			
1	SWD EXT DC		
2	UNREG GND		
3	JIG SCK		10-50
4	JIG SI		10-49
5	JIG SO		10-48
6	L:SV-JIG READY		10-47
7	1/2 VD		1-42, 8-1, 10-45

FP-118

FP-118 BOARD SIDE (CN3)

MB-833 BOARD SIDE

CN3			
49	1	CH-1 REC AUDIO (X)	IN 7-27
39	2	CH-1/2 REC AUDIO (G)	IN 7-28
38	3	CH-2 REC AUDIO (X)	IN 7-25
37	4	H:AUDIO PB	OUT 7-24
36	5	AUDIO CH-1 (X)	OUT 7-23
35	6	AUDIO CH-1/2 (G)	OUT 7-22
34	7	AUDIO CH-2 (X)	OUT 7-21
33	8	CCZ MIC (X)	IN 19-18
32	9	CCZ MIC (Y)	IN 19-19
31	10	CCZ MIC (G)	IN 19-20
30	11	REG -5.0V	
29	12	REG -5.0V	
28	13	REG -5.0V	
27	14	REG GND	
26	15	REG GND	
25	16	REG GND	
24	17	REG +5.0V	
23	18	REG +5.0V	
22	19	REG +5.0V	
21	20	CCZ AUDIO MONI (G)	OUT 19-22
20	21	CCZ AUDIO MONI (X)	OUT 19-21
19	22	CH-1 MIC/LINE (X)	OUT 19-43
18	23	CH-1 MIC/LINE (G)	OUT 19-44
17	24	CH-1 MIC/LINE (Y)	OUT 19-45
16	25	REG GND	
15	26	CH-2 MIC/LINE (X)	OUT 19-47
14	27	CH-2 MIC/LINE (G)	OUT 19-48
13	28	CH-2 MIC/LINE (Y)	OUT 19-49
12	29	N.C	
11	30	REG +5.3V	
10	31	REG +5.3V	
9	32	M +6V	
8	33	LINE CH-1 (X)	IN 19-50
7	34	LINE CH-1/2 (G)	IN 19-51
6	35	LINE CH-2 (X)	IN 19-52
5	36	AF OUTPUT (Y)	OUT 19-54
4	37	AF OUTPUT (X)	OUT 19-56
3	38	ANTON Y	OUT 19-23
2	39	REG GND	
1	40	ANTON AUTO	IN 19-25

SV-213

SV-213 BOARD SIDE (CN502)

MB-833 BOARD SIDE

CN502			
50	1	REG GND	
49	2	REG GND	
48	3	REG -5.0V	
47	4	REG +5.0V	
46	5	REG +5.0V	
45	6	REG GND	
44	7	REG GND	
43	8	REG +3.4V	
42	9	REG +3.4V	
41	10	M GND	
40	11	M GND	
39	12	M GND	
38	13	M GND	
37	14	M GND	
36	15	M +6V BACKUP	23-1
35	16	M +6V	
34	17	M +6V	
33	18	M +6V	
32	19	M +6V	
31	20	N.C	
30	21	MIC SDA	I/O 2-5
29	22	MIC SCL	OUT 2-4
28	23	MIC VDD	2-3
27	24	MIC GND	2-2
26	25	L:SV READY	IN 2-1
25	26	L:SV-SV CS	OUT 1-50
24	27	L:SP-SV CS	OUT 7-82
23	28	SP SI	IN 7-81
22	29	SP SO	OUT 7-84
21	30	SP SCK	OUT 7-83
20	31	TRKD	IN 7-86
19	32	FLTD	IN 7-85
18	33	L:SV-SFY CS	IN 7-88
17	34	SV SCK	IN 7-90
16	35	SV SO	IN 7-99
15	36	SV SI	OUT 7-92
14	37	TBC REM	IN 7-91
13	38	DRUM BANK	IN 7-94
12	39	JSWP	IN 7-93
11	40	SV SI	IN 1-46, 7-97
10	41	SV SO	OUT 1-45, 7-100
9	42	SV SCK	OUT 1-44, 7-98
8	43	SV TRKD	IN 1-43, 8-2
7	44	N.C	
6	45	1/2 VD	IN 1-42, 8-1, 8-7
5	46	L:RESET	IN 1-41, 8-4
4	47	L:SV-JIG READY	8-6
3	48	JIG SO	8-5
2	49	JIG SI	8-4
1	50	JIG SCK	8-3

VA-190

VA-190 BOARD SIDE (CN4)

MB-833 BOARD SIDE

CN4			
30	1	R VA (G)	IN 8-80
29	2	R VA (X)	IN 8-79
28	3	G VA (G)	IN 8-78
27	4	G VA (X)	IN 8-77
26	5	B VA (G)	IN 8-76
25	6	B VA (X)	IN 8-75
24	7	FB CLP GND	IN 8-74
23	8	R FB CLP	OUT 8-73
22	9	G FB CLP	OUT 8-72
21	10	B FB CLP	OUT 8-71
20	11	CLP1	OUT 18-24, 8-70
19	12	P DLKG	OUT 15-27, 8-69
18	13	VA ENABLE	OUT 20-67
17	14	AVD	OUT 8-64, 15-33
16	15	AHD	OUT 8-63, 15-34
15	16	LSI RESET	OUT 8-5, 20-68
14	17	SDA (D/A)	OUT 8-57, 8-43, 15-43, 20-20
13	18	SCL (D/A)	OUT 8-58, 8-44, 15-42, 20-21
12	19	LD (VA2)	OUT 20-27
11	20	LD (VA1)	OUT 20-28
10	21	+18DB ON/OFF	OUT 20-68, 8-65
9	22	UPR	OUT 18-50, 8-61
8	23	REG -5.0V	
7	24	REG -5.0V	
6	25	REG +5.3V	
5	26	REG +5.3V	
4	27	REG +9.0V	
3	28	REG +9.0V	
2	29	REG GND	
1	30	REG GND	

RP-91

RP-91 BOARD SIDE (CN773)

MB-833 BOARD SIDE

CN773			
1	1	CLK135	OUT 7-31
2	2	REG GND	
3	3	DRCK REF	OUT 7-33
4	4	REG GND	
5	5	TRPCS	OUT 7-35
6	6	FRPCS	OUT 7-38
7	7	REG GND	
8	8	VRCKCS	IN 7-40
9	9	REG GND	
10	10	DTSC0	OUT 7-42
11	11	DTSC1	OUT 7-41
12	12	DTSC2	OUT 7-44
13	13	DTSC3	OUT 7-43
14	14	DTSC4	OUT 7-46
15	15	DTSC5	OUT 7-45
16	16	DTSC6	OUT 7-48
17	17	DTSC7	OUT 7-47
18	18	REG GND	
19	19	AFREF	IN 7-49
20	20	SVCS	IN 7-52
21	21	SCDVCS	IN 7-51
22	22	VADVCS	IN 7-54
23	23	REG GND	
24	24	VPCKCS	IN 7-58
25	25	REG GND	
26	26	DTCS0	IN 7-58
27	27	DTCS1	IN 7-57
28	28	DTCS2	IN 7-60
29	29	DTCS3	IN 7-59
30	30	DTCS4	IN 7-62
31	31	DTCS5	IN 7-61
32	32	DTCS6	IN 7-64
33	33	DTCS7	IN 7-63
34	34	N.C	
35	35	REG GND	
36	36	REG GND	
37	37	REG GND	
38	38	REG +3.1V	
39	39	REG +3.4V	
40	40	REG +3.1V	
41	41	REG +3.4V	
42	42	REG +5.0V	
43	43	REG +6.8V	
44	44	REG +5.0V	
45	45	REG +6.8V	

DPR-141

DPR-141 BOARD SIDE (CN2)

MB-833 BOARD SIDE

CN2			
1-42, 9-7, 10-45	OUT	1/2 VD	1 2 SV TRND
5-16, 20-68	OUT	LS1 RESET	3 4 L RESET
20-71	OUT	LD (PP)	5 6 LD (DPR)
20-73	OUT	LD (RG)	7 8 LD (PPI)
20-75	OUT	SDA3 (DSP)	9 10 SCL (DSP)
20-77	OUT	SDA1 (DSP)	11 12 SDA2 (DSP)
20-79	OUT	TITLE	13 14 SDA0 (DSP)
1-28	OUT	L.VBID CS	15 16 TITLE BACK
8-78, 19-38	OUT	GENLOCK (G)	17 18 N.C.
1-25	OUT	L.YC CS	19 20 GENLOCK (X)
		N.C.	21 22 H.YC BUSY
		N.C.	23 24 CAL
8-73	IN	H.EE	25 26 H.WIDE ID ON
20-55	IN	L.YC CONNECT	27 28 H.WIDE MODE
8-69	IN	BFG (VTR)	29 30 N.C.
		N.C.	31 32 CLP P (VTR)
1-48, 8-65	IN	CSYNC (VTR)	33 34 BF (VTR)
8-63	IN	VDAC GND	35 36 LALT (VTR)
8-61	IN	VDAC Y	37 38 VDAC CB
8-59	IN	COMP GND	39 40 VDAC CR
8-57	IN	R-Y	41 42 Y
8-55	IN	BLKG	43 44 B-Y
8-53	OUT	27MHZ (G)	45 46 CF
8-51	IN	VF-Y	47 48 27MHZ (X)
8-49, 20-57	OUT	HD	49 50 MARKER
8-47	IN	14MHZ (G)	51 52 VD
5-21, 20-68	IN	+1000 OH/OFF	53 54 14MHZ (X)
5-17, 8-43, 15-43, 20-20	OUT	SDA (D/A)	55 56 16 B/4.3
8-41, 15-45, 20-18	OUT	SDA (EEPROM)	57 58 SCL (D/A)
5-22, 16-50	OUT	DPR	59 60 SCL (EEPROM)
5-15, 15-34	IN	AHD	61 62 HTSG
15-32	OUT	36MHZ (G)	63 64 AVD
15-29	OUT	18MHZ (G)	65 66 36MHZ (X)
5-12, 15-27	IN	P BLKG	67 68 18MHZ (X)
5-10	IN	B FB CLP	69 70 CLP1
5-8	IN	R FB CLP	71 72 G FB CLP
5-6	OUT	B VA (X)	73 74 FB CLP GND
5-4	OUT	G VA (X)	75 76 B VA (G)
5-2	OUT	R VA (X)	77 78 G VA (G)
			79 80 R VA (G)

DPR-141

DPR-141 BOARD SIDE (CN1)

MB-833 BOARD SIDE

CN1			
		1 2 REG GND	
		3 4 REG GND	
		5 6 REG GND	
		7 8 REG GND	
		9 10 REG -5.0V	
		11 12 REG +5.0V	
		13 14 REG +5.3V	
		15 16 REG +6.6V	
		17 18 REG +3.4V	
		19 20 REG +3.1V	
3-7	IN	AUDIO CH-2 (X)	21 22 AUDIO CH1/2 (G)
3-5	IN	AUDIO CH-1 (X)	23 24 H.AUDIO PB
3-3	OUT	CH-2 REC AUDIO (X)	25 26 CH-1/2 REC AUDIO (G)
3-1	OUT	CH-1 REC AUDIO (X)	27 28 REG GND
		REG GND	29 30 REG GND
11-1	IN	CLK135	31 32 REG GND
11-3	IN	DRCK REF	33 34 REG GND
11-5	IN	TRPCS	35 36 REG GND
		REG GND	37 38 FRPCS
		REG GND	39 40 VRCKCS
11-11	IN	DTSC1	41 42 DTSC0
11-13	IN	DTSC3	43 44 DTSC2
11-15	IN	DTSC5	45 46 DTSC4
11-17	IN	DTSC7	47 48 DTSC6
11-19	OUT	AFREF	49 50 REG GND
11-21	OUT	SCVCS	51 52 SYCS
		REG GND	53 54 VADYCS
		REG GND	55 56 VPCKCS
11-27	OUT	DTCS1	57 58 DTCS0
11-29	OUT	DTCS3	59 60 DTCS2
11-31	OUT	DTCS5	61 62 DTCS4
11-33	OUT	DTCS7	63 64 DTCS6
2-1	OUT	L.I.P. PWR ON	65 66 N.C.
2-18	OUT	L.I.P. CS	67 68 L.I.P. CONNECT
2-17	IN	CA S1	69 70 L.AUX CS
2-15	OUT	CA SCK	71 72 CA S0
2-12	OUT	L.SY EEPROM WE	73 74 REG GND
2-10	OUT	L.SY EEPROM BUSY	75 76 L.SY EEPROM CS
2-8	OUT	L.MFIL CS	77 78 L.DV CS
2-6	OUT	L.SP SV CS	79 80 L.SY CTLO CS
10-28	OUT	SP S1	81 82 L.SP-SV CS
10-30	IN	SP SCK	83 84 SP S0
10-32	OUT	FLTD	85 86 TRKD
2-44	OUT	LITHIUM	87 88 L.SV-SFY CS
10-35	OUT	SV S0	89 90 SV SCK
10-37	OUT	TBC REN	91 92 SV S1
10-39	OUT	JSWP	93 94 DRUM BANK
		N.C.	95 96 L.I.P. L1 OFF
1-46, 10-40	IN	SY S1	97 98 L.FS CONT CS
1-44, 10-42	OUT	SY SCK	99 100 SY S0

ES-26

ES-26 BOARD SIDE (CN101)

MB-833 BOARD SIDE

CN101			
		1 2 REG GND	
		3 4 REG GND	
		5 6 REG GND	
		7 8 REG GND	
		9 10 REG -5.0V	
		11 12 REG +5.0V	
		13 14 REG +5.3V	
		15 16 REG +9.0V	
		17 18 REG +3.4V	
		N.C.	19 20 N.C.
16-38	IN	VBS (BNC) (X)	21 22 VBS (BNC) (G)
16-36	IN	VBS (RM) (X)	23 24 VBS (RM) (G)
14-15	IN	VF VIDEO (X)	25 26 VF VIDEO (G)
14-17	IN	B-Y (VF)	27 28 R-Y (VF)
14-19	IN	SYNC (VF)	29 30 WIDE DET
15-23	IN	VCO CTL	31 32 L.D
20-65	OUT	LD (ES0)	33 34 LD (ES1)
20-63	OUT	LD (ES4)	35 36 LD (ES3)
20-61	OUT	VF CHR BACK	37 38 VF CHR
20-59	IN	NTSC/PAL	39 40 GENLOCK INT/EXT
6-59, 15-45, 20-18	I/O	SDA (EEPROM)	41 42 SCL (EEPROM)
5-17, 6-57, 15-43, 20-20	OUT	SDA (D/A)	43 44 SCL (D/A)
		N.C.	45 46 N.C.
6-53	OUT	14MHZ (G)	47 48 14MHZ (X)
6-51, 20-57	IN	ND	49 50 VD
6-49	OUT	VF-Y	51 52 MARKER
6-47	OUT	27MHZ (G)	53 54 27MHZ (X)
6-45	OUT	BLKG	55 56 CF
6-43	OUT	R-Y	57 58 B-Y
6-41	IN	COMP GND	59 60 Y
6-39	IN	VDAC Y	61 62 VDAC CR
6-37	IN	VDAC GND	63 64 VDAC CB
6-35, 1-48	IN	CSYNC (VTR)	65 66 LALT (VTR)
		SELH	67 68 BF (VTR)
6-31	IN	BFG (VTR)	69 70 CLP P (VTR)
		N.C.	71 72 N.C.
6-27	OUT	H.EE	73 74 H.WIDE MODE
2-14	OUT	H.BASE MUTE	75 76 H.WIDE ID ON
6-20, 19-37	OUT	GENLOCK (X)	77 78 GENLOCK (G)
		N.C.	79 80 FAN ON
19-35	IN	VBS/MON (X)	81 82 VBS/MON (G)
19-33	IN	S-Y (X)	83 84 S-Y (G)
19-31	IN	S-C (X)	85 86 S-C (G)
19-15, 20-9	IN	CCZ DC	87 88 CCZ DC GND
19-11	IN	VBS/Y (CCZ) (X)	89 90 VBS/Y (CCZ) (G)
19-9	OUT	RET (CCZ) (X)	91 92 RET (CCZ) (G)
19-7	IN	Y (CCZ) (X)	93 94 Y (CCZ) (G)
19-5	IN	R-Y (CCZ) (X)	95 96 R-Y (CCZ) (G)
19-3	IN	B-Y (CCZ) (X)	97 98 B-Y (CCZ) (G)
19-1	IN	CF/C (CCZ) (X)	99 100 CF/C (CCZ) (G)

DC-DC CONVERTER

MB-833 BOARD SIDE

CN13			
		1 2 UNREG GND	
		3 4 SWD EXT DC	
		5 6 REG GND	
		7 8 REG +3.4V	
		9 10 REG +3.1V	
		11 12 REG GND	
		13 14 REG -5.0V	
		15 16 REG +5.0V	
		17 18 REG +5.3V	
		19 20 REG +6.6V	
		21 22 REG +9.0V	
		M GND	23 24 M GND
		M +6V	25 26 M +6V
		N.C.	27 28 REG -10.5V
		REG +16.1V	29 30 REG +48.0V

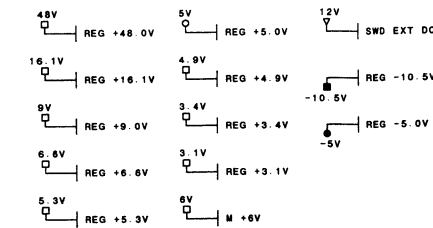
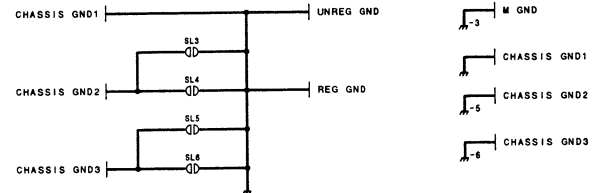
CP-315

CP-315 BOARD SIDE (CN1)

MB-833 BOARD SIDE

CP-315 BOARD SIDE (CN1)

CN13			
18 8-89	OUT	CF/C (CCZ) (X)	1 2 CF/C (CCZ) (G)
28 8-97	OUT	B-Y (CCZ) (X)	3 4 B-Y (CCZ) (G)
38 8-95	OUT	R-Y (CCZ) (X)	5 6 R-Y (CCZ) (G)
48 8-93	OUT	Y (CCZ) (X)	7 8 Y (CCZ) (G)
58 8-91	IN	RET (CCZ) (X)	9 10 RET (CCZ) (G)
68 8-89	OUT	VBS/Y (CCZ) (X)	11 12 VBS/Y (CCZ) (G)
78 8-87, 20-9	CCZ DC	13 14 CCZ DC GND	8-88 7A
88 20-10	IN	REC ALARM	15 16 EXT VTR TRG
98 20-11	IN	CCZ BATT IND	17 18 CCZ MIC (G)
108 3-9	OUT	CCZ MIC (Y)	19 20 CCZ MIC (G)
118 3-21	IN	CCZ AUDIO MON1 (X)	21 22 CCZ AUDIO MON1 (G)
128 3-28	IN	ANTON V	23 24 N.C.
138 3-40	OUT	ANTON AUTO	25 26 LIGHT CONT
148 2-30, 20-6	IN	BATTERY ID	27 28 N.C.
158		N.C.	29 30 L.POWER ON (PSW-CP)
168 8-85	OUT	S-C (X)	31 32 S-C (G)
178 8-83	OUT	S-Y (X)	33 34 S-Y (G)
188 8-81	OUT	VBS/MON (X)	35 36 VBS/MON (G)
198 6-20, 8-77	IN	GENLOCK (X)	37 38 GENLOCK (G)
208 2-24	EXT TC (G)	39 40 EXT TC INPUT (X)	2-23 20A
218 2-27, 20-7	IN	DC INLET	41 42 EXT TC OUTPUT (X)
228 3-22	IN	CH-1 MIC/LINE (X)	43 44 N.C.
238 3-24	IN	CH-1 MIC/LINE (Y)	45 46 CH-1 MIC/LINE (G)
248 3-26	IN	CH-2 MIC/LINE (X)	47 48 CH-2 MIC/LINE (G)
258 3-28	IN	CH-2 MIC/LINE (Y)	49 50 LINE CH-1 (X)
268 3-34	OUT	LINE CH-1/2 (G)	51 52 LINE CH-2 (X)
278		REG +48.0V	53 54 AF OUTPUT (Y)
288		REG +5.0V	55 56 AF OUTPUT (X)
298		REG -5.0V	57 58 UNREG GND
308		REG GND	59 60 SWD EXT DC



AA-104

AA-104 BOARD SIDE (CN504)

MB-833 BOARD SIDE

CN14			
50	1	1KH	OUT 20-41
49	2	PEAKING CONT	IN 20-40
48	3	ZOOM CONT	IN 20-46, 16-5
47	4	REMOTE1	IN 20-38
46	5	LD (VF)	OUT 20-37
45	6	FOCUS CONT	IN 20-51, 16-41
44	7	BATT IND	OUT 20-35
43	8	SDA (S-P) (AT/AA, PSW)	OUT 16-10, 20-34
42	9	REC TALLY	OUT 20-33
41	10	RCK	OUT 1-13, 16-12, 20-32
40	11	SHIFT/LOAD	OUT 1-12, 16-13, 20-31
39	12	SCLK (S/P)	OUT 1-11, 16-14, 20-30
38	13	G	OUT 1-10, 16-15, 20-29
37	14	SDA (P-S) (AA/PSW)	IN 16-18
36	15	VF VIDEO (X)	OUT 8-25
35	16	VF VIDEO (G)	OUT 8-26
34	17	B-Y (VF)	OUT 8-27
33	18	R-Y (VF)	OUT 8-28
32	19	SYNC (VF)	OUT 8-29
31	20	BACK TALLY SW	IN 1-28
30	21	BACK TALLY GND	1-28
29	22	BACK TALLY	OUT 1-27
28	23	EARPHONE (G)	OUT 1-24
27	24	EARPHONE (X)	OUT 1-23
26	25	EARPHONE SW (V)	IN 1-22
25	26	MIC1 (G)	IN 1-21
24	27	MIC1 (V)	IN 1-20
23	28	MIC1 (X)	IN 1-19
22	29	CONV LENS	IN 16-39
21	30	SDA (P-S) (FP/AA)	OUT 1-16
20	31	SDA (S-P) (FP/AA)	OUT 1-15
19	32	LIGHT SW	IN 1-14
18	33	REG GND	
17	34	REG GND	
16	35	REG +4.8 OV	
15	36	REG +4.8 OV	
14	37	REG -5.0V	
13	38	REG -5.0V	
12	39	REG +9.0V	
11	40	REG +9.0V	
10	41	REG +4.9V	
9	42	REG +4.9V	
8	43	SWD EXT DC	
7	44	SWD EXT DC	
6	45	SWD EXT DC	
5	46	UNREG GND	
4	47	UNREG GND	
3	48	UNREG GND	
2	49	REG GND	
1	50	REG GND	

PSW-71

PSW-71 BOARD SIDE (CN308)
MB-833 BOARD SIDE

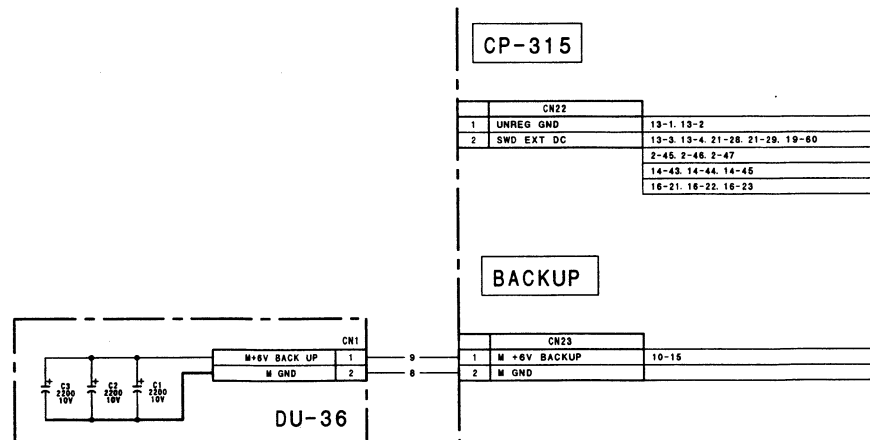
		CN18	
50	1	RS232C (C/RM)	OUT 20-50
49	2	RS232C (RM/C)	IN 20-49
48	3	S DATA (RM)	I/O 20-48
47	4	SDA (P-S) (PSW/AT)	IN 20-47
46	5	ZOOM CONT	OUT 20-46, 14-3
45	6	IRIS CONT	OUT 20-45
44	7	AUTO/MANU	OUT 20-44
43	8	IRIS POS1	IN 20-43
42	9	VJ CONNECT	IN 20-8
41	10	SDA (S-P) (AT/AA, PSW)	OUT 14-9, 20-34
40	11	REC TALLY 2	OUT 20-36
39	12	RCK	OUT 1-13, 14-10, 20-32
38	13	SHIFT/LOAD	OUT 1-12, 14-11, 20-31
37	14	SCLK (S/P)	OUT 1-11, 14-12, 20-30
36	15	G	OUT 1-10, 14-13, 20-29
35	16	SDA (P-S) (AA/PSW)	OUT 14-14
34	17	REG -5.0V	
33	18	REG +9.0V	
32	19	REG +4.9V	
31	20	REG +4.9V	
30	21	SWD EXT DC	
29	22	SWD EXT DC	
28	23	SWD EXT DC	
27	24	UNREG GND	
26	25	UNREG GND	
25	26	UNREG GND	
24	27	REG GND	
23	28	REG GND	
22	29	EXT VTR TRG	IN 19-16
21	30	L POWER ON (PSW-CP)	IN 19-30
20	31	L POWER ON (FP-PSW)	OUT 2-28
19	32	H MAIN SW ON	IN 2-26
18	33	SDA (C/LENS)	OUT 20-52
17	34	SDA (LENS/C)	IN 20-53
16	35	VSS (RM) (G)	OUT 8-24
15	36	VSS (RM) (X)	OUT 8-23
14	37	VSS (BNC) (G)	OUT 8-22
13	38	VSS (BNC) (X)	OUT 8-21
12	39	CONV LENS	OUT 14-29
11	40	CAL	IN 8-24
10	41	FOCUS CONT	OUT 20-51, 14-6
9	42	FOCUS POS1	N.C.
8	43	ZOOM POS1	N.C.
7	44	EXTEND ON/OFF	N.C.
6	45	SDA (S-P) (PSW/FP)	IN 1-9
5	46	VTR TRIG	IN 1-8
4	47	AUDIO VOLUME	IN 1-7
3	48	VJ MIC (X)	IN 1-6
2	49	VJ MIC (G)	IN 1-5
1	50	DPR	IN 5-22, 6-61

AT-127

AT-127 BOARD SIDE (CN501)

MB-833 BOARD SIDE

CN20			
		REG GND N.C	1 2 REG GND N.C
		REG GND N.C	3 4 REG GND N.C
		REG GND N.C	5 6 BATTERY ID
19-41, 2-27	OUT	DC INLET	7 8 VJ CONNECT
19-13, 8-87	OUT	CCZ DC	9 10 REC ALARM
19-17	OUT	CCZ BATT IND	11 12 BATT ALARM
1-34	OUT	SCLK VTR	13 14 SDA (V/C)
1-32	IN	SDA (C/V)	15 16 CS VTR
1-30	OUT	INT VTR TALLY	17 18 SDA (EEPROM)
15-44, 6-80, 8-42	IN	SCL (EEPROM)	19 20 SDA (D/A)
15-42, 6-58, 8-44, 5-18	IN	SCL (D/A)	21 22 LD (TG)
15-40	IN	LD (SHUT)	23 24 SDA (SHUT)
15-38	IN	SCL (SHUT)	25 26 TEMP DATA
5-19	IN	LD (VA2)	27 28 LD (VA1)
14-12, 16-15, 1-10	IN	G	29 30 SCLK (S/P)
14-11, 16-13, 1-12	IN	SHIFT/LOAD	31 32 RCK
14-9	IN	REC TALLY	33 34 SDA (S-P) (AT/AA, PSW)
14-7	OUT	BATT IND	35 36 REC TALLY 2
14-5	IN	LD (VP)	37 38 REMOTE1
15-38	OUT	SCL (DEF)	39 40 PEAKING CONT
14-1	IN	1KH	41 42 WIDE DET
16-8	OUT	IRIS POS1	43 44 AUTO/MANU
16-6	IN	IRIS CONT	45 46 ZOOM CONT
16-4	IN	SDA (P-S) (PSW/AT)	47 48 S DATA (RM)
16-2	OUT	RS232C (RM/C)	49 50 RS232C (C/RM)
16-41, 14-6	IN	FOCUS CONT	51 52 SDA (C/LENS)
16-34	OUT	SDA (LENS/C)	53 54 16:9/4:3
6-29	OUT	L YC CONNECT	55 56 VD
8-49, 6-51	OUT	HD	57 58 GENLOCK INT/EXT
8-39	OUT	NTSC/PAL	59 60 VF CHR
8-37	IN	VF CHR BACK	61 62 LD (ES3)
8-35	IN	LD (ES4)	63 64 LD (ES1)
8-33	IN	LD (ES2)	65 66 N.C
5-13	IN	VA ENABLE	67 68 +1RDS ON/OFF
6-5, 5-16	IN	LS1 RESET	69 70 LD (DPR)
6-7	IN	LD (PP)	71 72 LD (DPR)
6-9	IN	LD (RC)	73 74 SCL (DSP)
6-11	I/O	SDA3 (DSP)	75 76 SDA2 (DSP)
6-13	I/O	SDA1 (DSP)	77 78 SDA0 (DSP)
6-15	IN	TITLE	79 80 TITLE BACK
N.C		TEST1	81 82 TEST2
		SWD EXT DC	83 84 SWD EXT DC
		UNREG GND	85 86 UNREG GND
		REG GND NC	87 88 NC
		REG +4.8V	89 90 REG +4.8V
		REG +9.0V	91 92 REG +9.0V
		REG +5.3V	93 94 REG +5.3V
		REG +3.1V	95 96 REG +3.1V
		REG -5.0V	97 98 REG -5.0V
		REG GND	99 100 REG GND



TG-204

TG-204 BOARD SIDE (CN1)

MB-833 BOARD SIDE

		CN15		
45	1	REG +4.8 OV		
44	2	REG +4.8 OV		
43	3	REG +6.6V		
42	4	REG +6.6V		
41	5	REG +6.6V		
40	6	REG GND		
39	7	REG GND		
38	8	REG GND		
37	9	REG GND		
36	10	REG GND		
35	11	REG -10.5V		
34	12	REG -10.5V		
33	13	REG -5.0V		
32	14	REG -5.0V		
31	15	REG +5.3V		
30	16	REG +5.3V		
29	17	REG +5.3V		
28	18	REG +5.3V		
27	19	REG +9.0V		
26	20	REG +9.0V		
25	21	REG +16.1V		
24	22	REG +16.1V		
23	23	VCO CTL	OUT	8-31
22	24	CLP1	IN	5-11, 6-70
21	25	FLD	OUT	8-32
20	26	DOUBLE PIX	IN	N.C
19	27	P BLKG	OUT	5-12, 6-69
18	28	18MHz (G)	IN	6-68
17	29	18MHz (G)	IN	6-67
16	30	REG GND		
15	31	36MHz (G)	IN	6-66
14	32	36MHz (G)	IN	6-65
13	33	AVD	OUT	6-64, 5-14
12	34	AHD	OUT	6-63, 5-15
11	35	HTSG	OUT	6-62
10	36	SCL (DEF)	OUT	20-39
9	37	TEMP DATA	IN	20-38
8	38	SCL (SHUT)	OUT	20-35
7	39	SDA (SHUT)	OUT	20-24
6	40	LD (SHUT)	OUT	20-23
5	41	LD (TG)	OUT	20-22
4	42	SCL (D/A)	OUT	20-21, 6-58, 8-44, 5-18
3	43	SDA (D/A)	OUT	20-20, 6-57, 8-43, 5-17
2	44	SCL (EEPROM)	OUT	20-19, 6-60, 8-42
1	45	SDA (EEPROM)	I/O	20-18, 6-59, 8-41

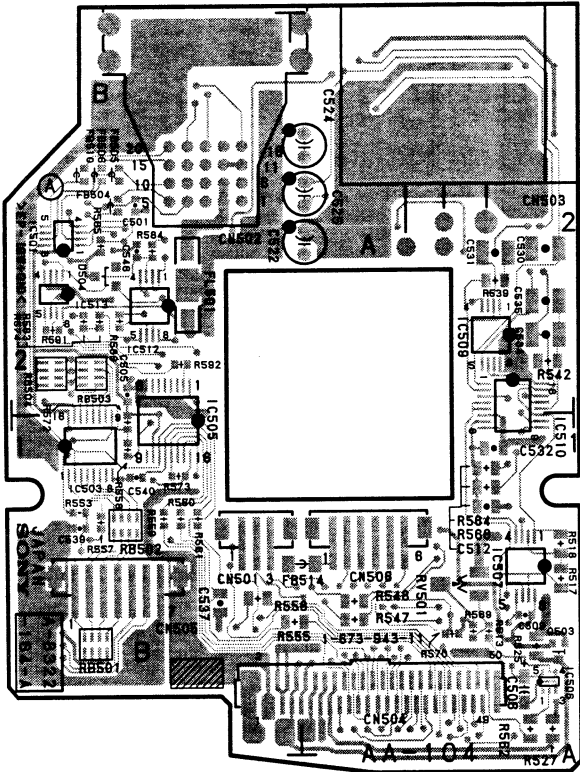
MB-833 (2/2)

DU-36

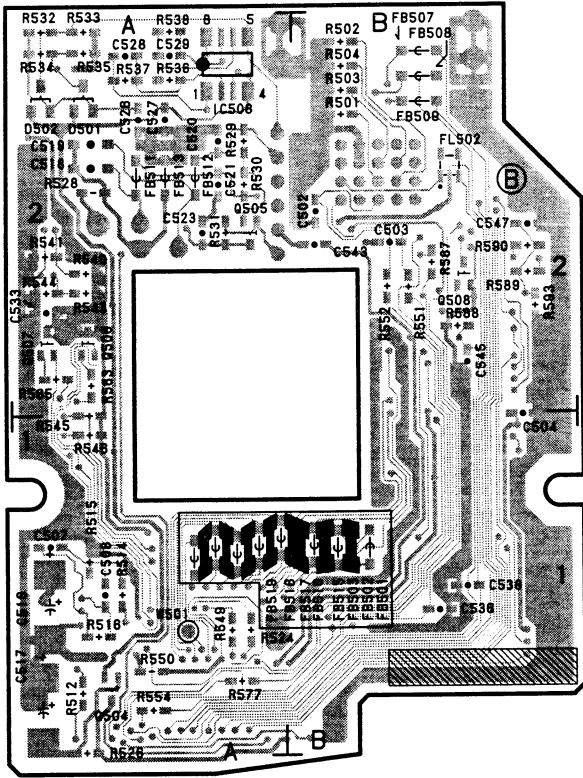
B-DSR500VVS-MB833-SM

DSR-500WS/500WSP/V2

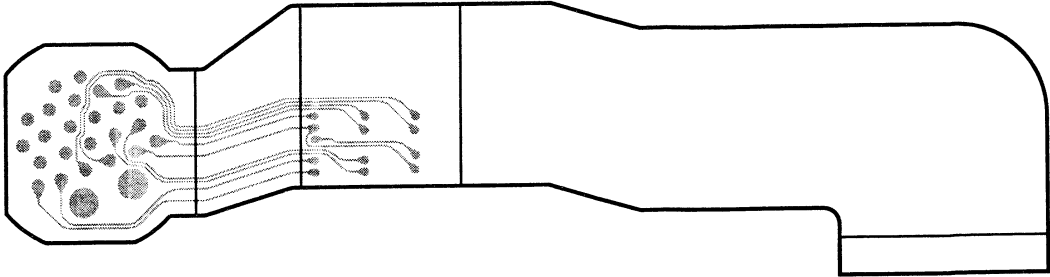
SECTION 5
BOARD LAYOUTS



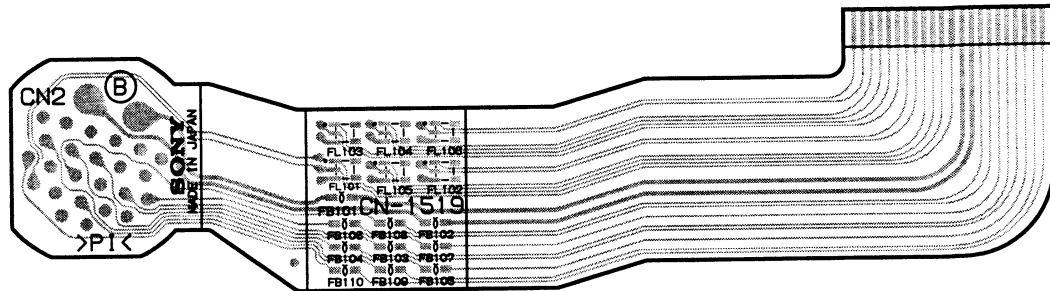
AA-104 -A SIDE-
SUFFIX: -11



AA-104 -B SIDE-
SUFFIX: -11



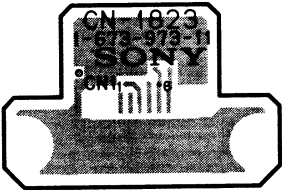
CN-1519 -A SIDE-
SUFFIX: -12



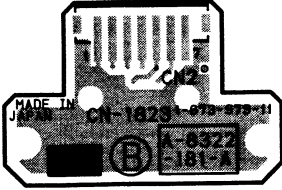
CN-1519 -B SIDE-
SUFFIX: -12

AA-104(1-673-943-11)

C501	B2	C546	B2	IC501	B2	R532	*A2	R572	B1
C502	*A2	C547	*A2	IC503	B1	R533	*A2	R573	B1
C503	*A2			IC505	B1	R534	*A2	R574	B2
C504	*A1	CN501	B1	IC506	A1	R535	*A2	R577	*A1
C505	B2	CN502	B2	IC507	A1	R536	*A2	R583	B2
C506	A1	CN503	A2	IC508	*A2	R537	*A2	R584	B2
C507	*A1	CN504	A1	IC509	A2	R538	*A2	R585	B2
C508	*A1	CN505	B1	IC510	A2	R539	*A2	R586	B2
C509	A1	CN506	A1	IC512	B2	R540	*A2	R587	*A2
C512	A1			IC513	B2	R541	*A2	R588	*A2
C516	*A1	D501	*A2			R542	A2	R589	*A2
C517	*A1	D502	*A2	Q503	A1	R543	*A2	R590	*A2
C518	*A2	D504	B2	Q504	*A1	R544	*A2	R591	B2
C519	*A2			Q505	*A2	R545	*A2	R592	B2
C520	*A2	FB501	*A1	Q506	*A2	R546	*A1	R593	*A2
C521	*A2	FB502	*A1	Q507	*A2	R547	A1		
C522	A2	FB503	*A1	Q508	*A2	R548	A1	RB501	B1
C523	*A2	FB504	B2			R549	*A1	RB502	B1
C524	A2	FB505	B2	R501	*A2	R550	*A1	RB503	B2
C525	A2	FB506	B2	R502	*A2	R551	*A2	RB504	B2
C526	*A2	FB507	*A2	R503	*A2	R552	*A2		
C527	*A2	FB508	*A2	R504	*A2	R553	B1	RV501	A1
C528	*A2	FB509	*A2	R512	*A1	R554	*A1		
C529	*A2	FB510	B2	R513	A1	R555	B1	W501	*A1
C530	A2	FB511	*A2	R514	*A1	R556	B1		
C531	A2	FB512	*A2	R515	*A1	R557	B1		
C532	*A1	FB513	*A2	R516	*A1	R558	B1		
C533	*A2	FB514	A1	R517	A1	R559	B1		
C534	A2	FB515	*A1	R518	A1	R560	B1		
C535	A2	FB516	*A1	R524	*A1	R561	B1		
C536	*A1	FB517	*A1	R525	A1	R562	A1		
C537	B1	FB518	*A1	R526	*A1	R563	*A2		
C538	*A1	FB519	*A1	R527	A1	R564	A1		
C539	B1			R528	*A2	R565	*A2		
C540	B1	FL501	B2	R529	*A2	R566	A1		
C543	*A2	FL502	*A2	R530	*A2	R569	A1		
C545	*A2			R531	*A2	R570	A1		



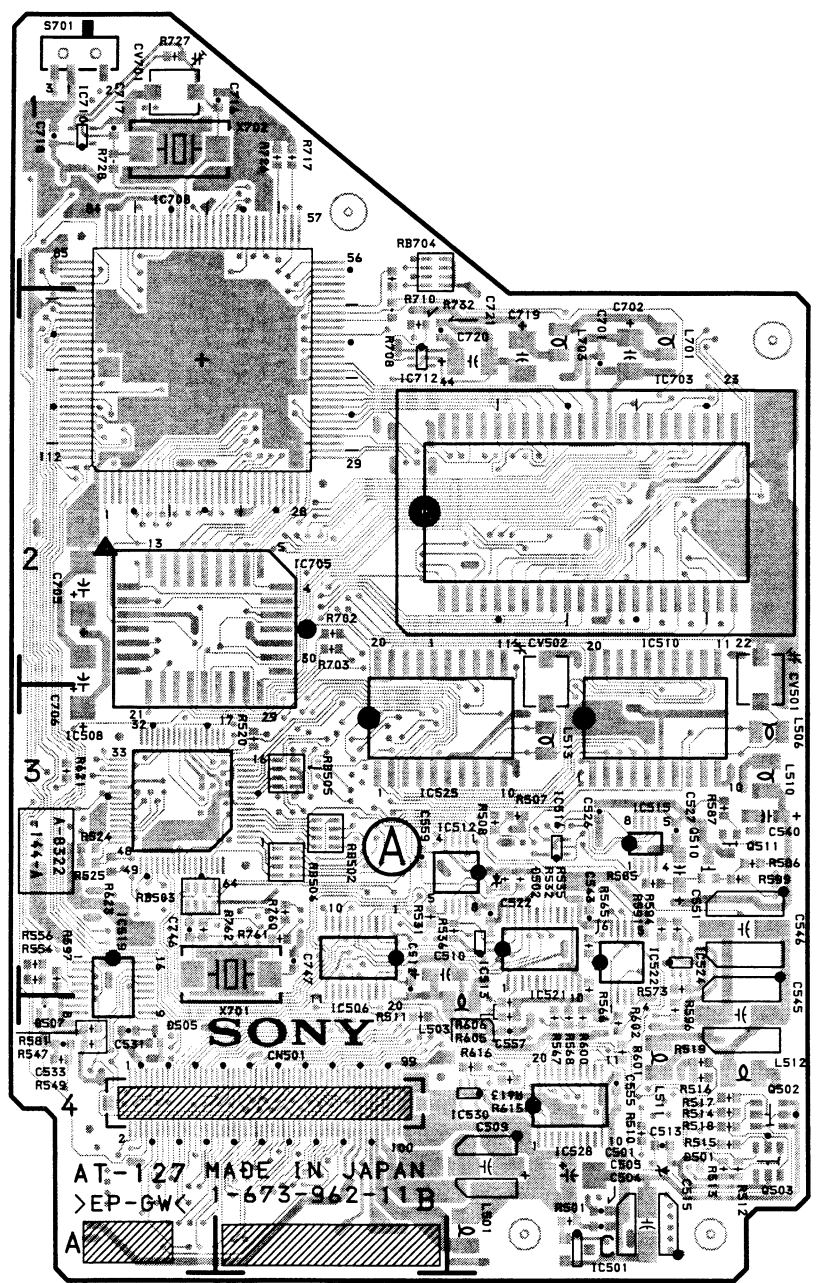
CN-1823 -A SIDE-
SUFFIX: -11,12



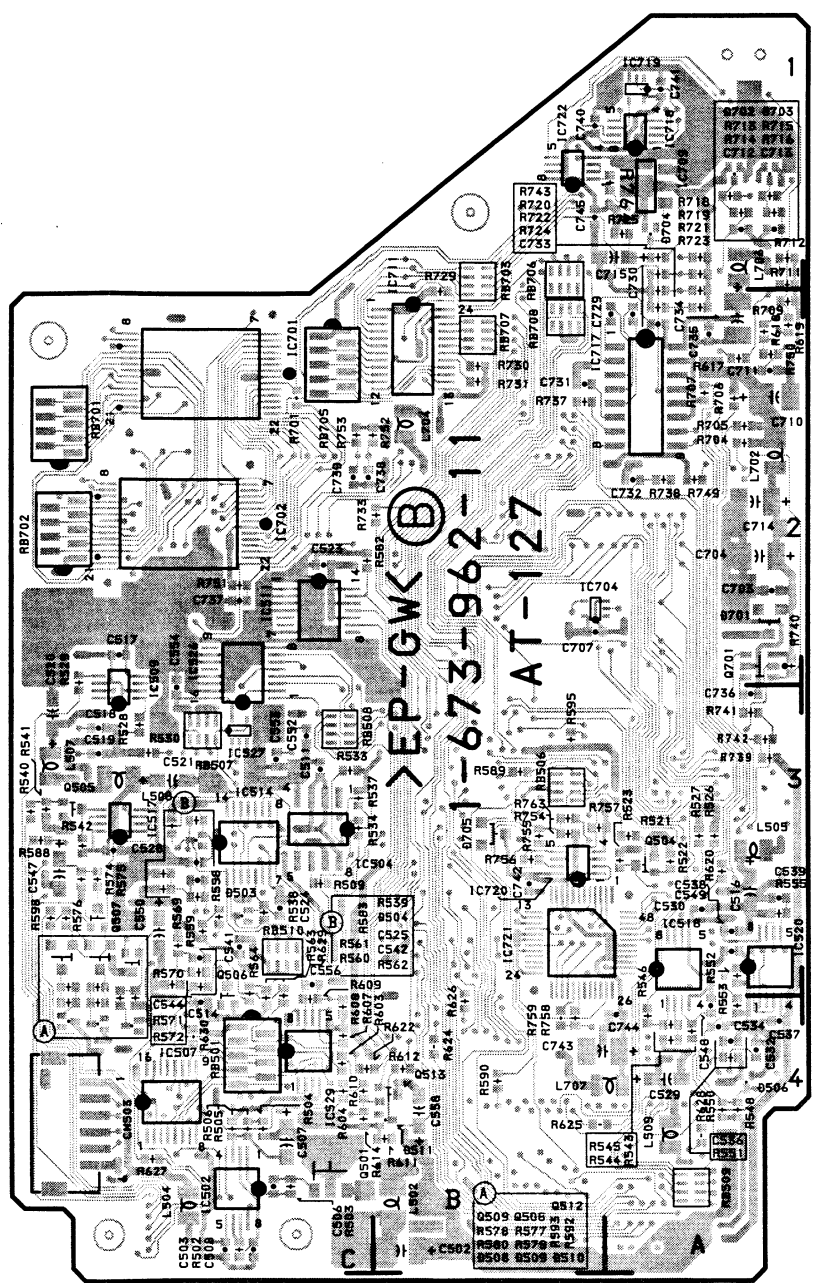
CN-1823 -B SIDE-
SUFFIX: -11,12

AT-127 (1-673-962-11)

C501	C4	C745	*B1
C502	*B4	C746	A3
C503	*C4	C747	B3
C504	C4		
C505	C4	CN501	B4
C506	*C4	CN503	*C4
C507	*C4		
C508	*C4	CV501	C2
C509	C4	CV502	C2
C510	B3	CV701	A1
C511	*C3		
C512	B3	D501	C4
C513	C4	D502	C3
C514	*C4	D503	*C3
C515	C4	D504	*C3
C516	*A3	D505	A4
C517	*C2	D506	*A4
C518	*C3	D507	A4
C519	*C3	D508	*C4
C520	*C3	D509	*C4
C521	*C3	D510	*C4
C522	C3	D511	*B4
C523	*C2	D701	*A2
C524	*C3	D702	*A1
C525	*C3	D703	*A1
C526	C3	D704	*A1
C527	C3	D705	*B3
C528	*C3		
C529	*A4	IC501	C4
C530	*A3	IC502	*C4
C531	A4	IC504	*C3
C532	*A4	IC506	B3
C533	A4	IC507	*C4
C534	*A4	IC508	A3
C536	*A4	IC509	*C3
C537	*A4	IC510	*C3
C538	*A3	IC511	*C2
C539	*A3	IC512	C3
C540	C3	IC513	C3
C541	*C3	IC514	*C3
C542	*C3	IC515	C3
C543	C3	IC516	C3
C544	*C3	IC517	*C3
C545	C4	IC518	*A3
C546	C3	IC519	A3
C547	*C3	IC520	*A3
C548	*A4	IC521	C3
C549	*A3	IC522	C3
C550	*C3	IC524	C3
C551	C3	IC525	B3
C552	*C3	IC526	*C2
C553	*C3	IC527	*C3
C554	*C3	IC528	C4
C555	C4	IC529	*C4
C556	*C3	IC530	C4
C557	C4	IC701	*C2
C558	*B4	IC702	*C2
C559	B3	IC703	C2
C701	C2	IC704	*B2
C702	C2	IC705	A2
C703	*A2	IC708	A2
C704	*A2	IC709	*A1
C705	A2	IC710	A1
C706	A2	IC711	*B2
C707	*B2	IC712	B2
C710	*A2	IC717	*A2
C711	*A2	IC718	*A1
C712	*A1	IC719	*A1
C713	*A1	IC720	*B3
C714	*A2	IC721	*B3
C715	*A1	IC722	*B1
C716	B1		
C717	A1	L501	C4
C718	A1	L502	*C4
C719	C2	L503	C4
C720	C2	L504	*C4
C721	B2	L505	*A3
C729	*A2	L506	C3
C730	*A2	L507	*C3
C731	*B2	L508	*C3
C732	*A2	L509	*A4
C733	*A2	L510	C3
C734	*A2	L511	C4
C735	*A2	L512	C4
C736	*A3	L513	C3
C737	*C2	L701	C2
C738	*C2	L702	*A2
C739	*C2	L703	C2
C740	*B1	L704	*B2
C741	*A1	L706	*A1
C742	*B3	L707	*A4
C743	*B4		
C744	*A4	Q501	*C4

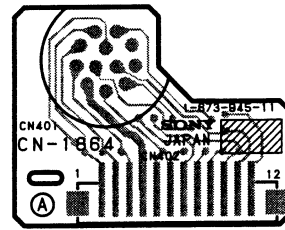


AT-127 -A SIDE-
SUFFIX: -11

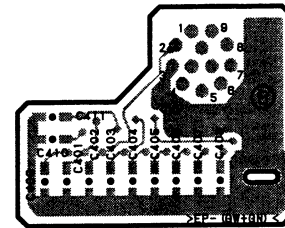


AT-127 -B SIDE-
SUFFIX: -11

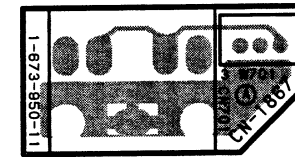
Q502	C4	R581	A4	R753	*C2
Q503	C4	R582	*C2	R754	*B3
Q504	*A3	R583	*C3	R755	*B3
Q505	*C3	R585	C3	R756	*B3
Q506	*C3	R586	C3	R757	*B3
Q507	*C3	R587	C3	R758	*B4
Q508	*C3	R588	*C3	R759	*B4
Q509	*C3	R589	*B3	R760	B3
Q510	C3	R590	*B4	R761	B3
Q511	C3	R591	C3	R762	A3
Q512	*C3	R592	*C4	R763	*B3
Q513	*B4	R593	*C4	R764	*A1
Q701	*A2	R594	C3		
		R595	*B3	RB501	*C4
R501	C4	R596	C4	RB502	B3
R502	*C4	R597	A3	RB503	A3
R503	*C4	R598	*C3	RB504	B3
R504	*C4	R599	C3	RB505	B3
R505	*C4	R600	C4	RB506	*B3
R506	*C4	R601	C4	RB507	*C3
R507	C3	R602	C4	RB508	*C3
R508	C3	R603	*C4	RB509	*A4
R509	*C3	R604	*C4	RB510	*C3
R510	C4	R605	C4	RB701	*C2
R511	B4	R606	C4	RB702	*C2
R512	C4	R607	*C4	RB703	*B1
R513	C4	R608	*C4	RB704	B1
R514	C4	R609	*C4	RB705	*C2
R515	C4	R610	*C4	RB706	*B1
R516	C4	R611	*B4	RB707	*B2
R517	C4	R612	*B4	RB708	*B2
R518	C4	R613	C4		
R519	C4	R614	*C4	S701	A1
R520	B3	R615	C4		
R521	*A3	R616	C4	X701	B3
R522	*A3	R617	*A2	X702	A1
R523	*A3	R618	*A2		
R524	A3	R619	*A2		
R525	A3	R620	*A3		
R526	*A3	R621	A3		
R527	*A3	R622	*C4		
R528	*C3	R623	A3		
R529	*C2	R624	*B4		
R530	*C3	R625	*B4		
R531	B3	R626	*B4		
R532	C3	R627	*C4		
R533	*C3	R628	*A4		
R534	*C3	R629	*C3		
R535	C3	R630	*C4		
R536	C3	R701	*C2		
R537	*C3	R702	B2		
R538	*C3	R703	B2		
R539	*C3	R704	*A2		
R540	*C3	R705	*A2		
R541	*C3	R706	*A2		
R542	*C3	R707	*A2		
R543	*A4	R708	B2		
R544	*A4	R709	*A2		
R545	*A4	R710	B1		
R546	*A4	R711	*A1		
R547	*A4	R712	*A1		
R548	*A4	R713	*A1		
R549	*A4	R714	*A1		
R550	*A4	R715	*A1		
R551	*A4	R716	*A1		
R552	*A3	R717	B1		
R553	*A4	R718	*A1		
R554	A3	R719	*A1		
R555	*A3	R720	*A1		
R556	A3	R721	*A2		
R558	*C3	R722	*A2		
R559	*C3	R723	*A2		
R560	*C3	R724	*A2		
R561	*C3	R725	*A1		
R562	*C3	R726	B1		
R563	*C4	R727	A1		
R564	*C3	R728	A1		
R565	C3	R729	*B2		
R566	C3	R730	*B2		
R567	C4	R731	*B2		
R568	C4	R732	B2		
R569	*C3	R733	*B2		
R570	*C3	R737	*B2		
R571	*C3	R738	*A2		
R572	*C3	R739	*A3		
R573	C3	R740	*A2		
R574	*C3	R741	*A3		
R575	*C3	R742	*A3		
R576	*C3	R743	*A1		
R577	*C3	R749	*A2		
R578	*C3	R750	*A2		
R579	*C4	R751	*C2		
R580	*C4	R752	*B2		



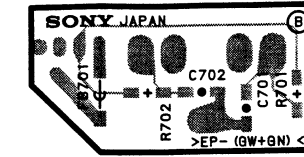
CN-1864 -A SIDE-
SUFFIX: -11



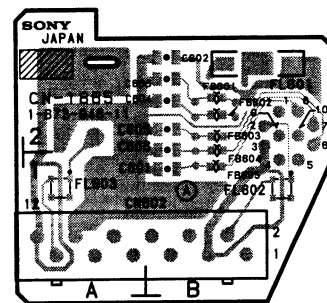
CN-1864 -B SIDE-
SUFFIX: -11



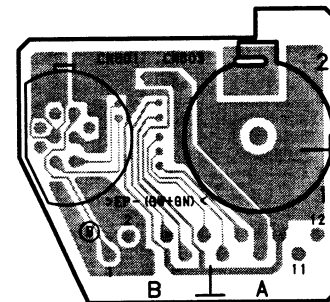
CN-1867 -A SIDE-
SUFFIX: -11



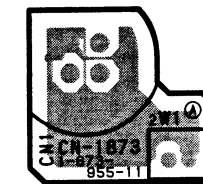
CN-1867 -B SIDE-
SUFFIX: -11



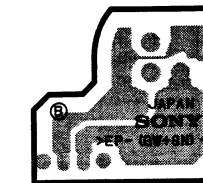
CN-1865 -A SIDE-
SUFFIX: -11



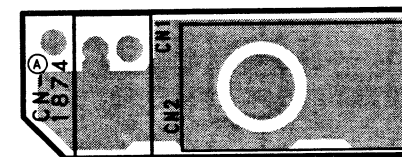
CN-1865 -B SIDE-
SUFFIX: -11



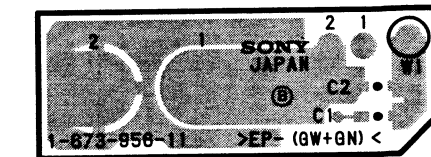
CN-1873 -A SIDE-
SUFFIX: -11



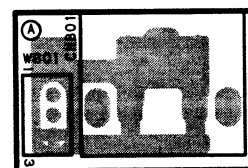
CN-1873 -B SIDE-
SUFFIX: -11



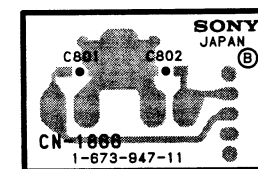
CN-1874 -A SIDE-
SUFFIX: -11



CN-1874 -B SIDE-
SUFFIX: -11



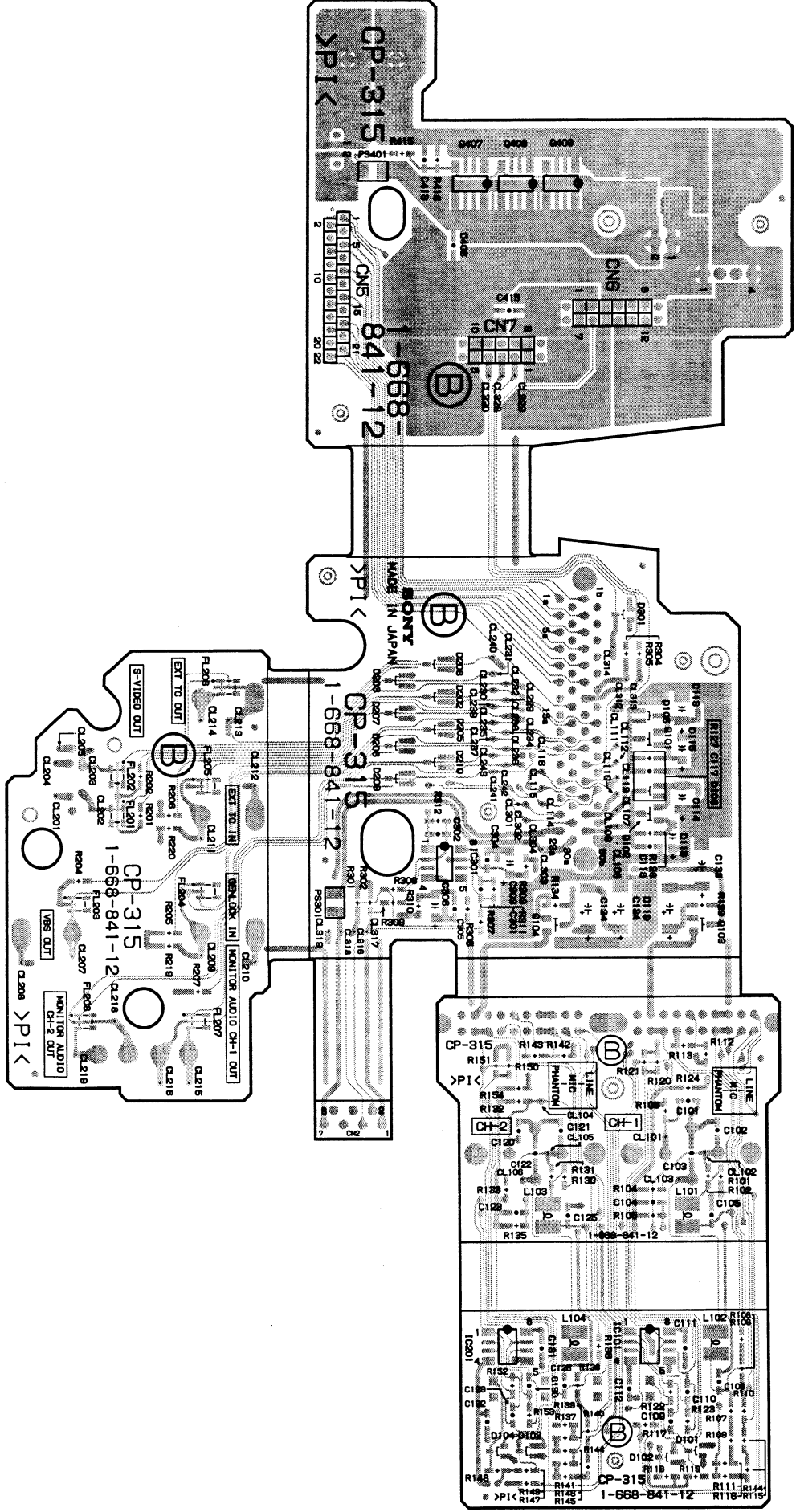
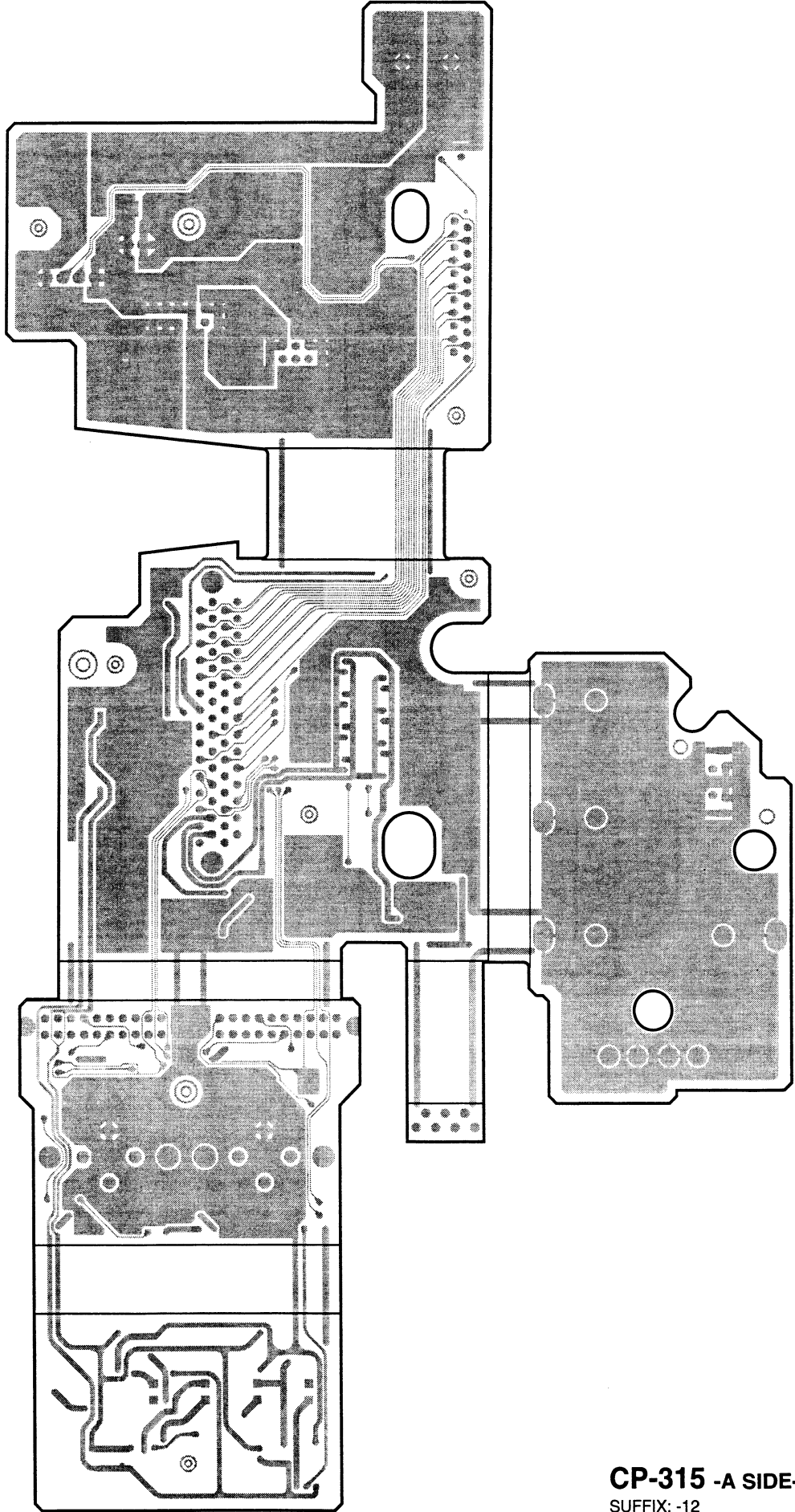
CN-1866 -A SIDE-
SUFFIX: -11



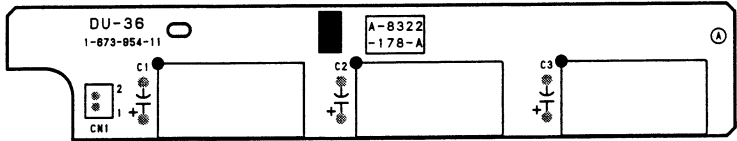
CN-1866 -B SIDE-
SUFFIX: -11

CP-315(1-668-841-12)

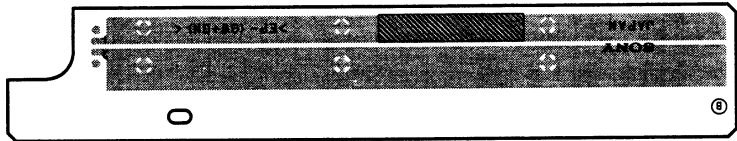
- CB401 E1
- CN1 C1
CN2 B3
CN3 E1
CN5 E3
CN6 E1
CN7 E2
CN8 E3
CN9 E1
CN101 B1
CN102 B2
- C101 *B1
C102 *B1
C103 *B1
C104 *B1
C105 *B1
C106 *A1
C107 A1
C108 A1
C109 *A1
C110 *A1
C111 *A1
C112 *A1
C113 *C1
C114 *C1
C115 *C1
C116 *C1
C117 *C1
C118 *C1
C119 *C1
C120 *B2
C121 *B2
C122 *B2
C123 *B2
C124 *C1
C125 *B2
C126 *A2
C127 A1
C128 A1
C129 *B2
C130 *B2
C131 *B2
C132 *B2
C133 *C1
C134 *C1
C301 *C2
C302 *C2
C303 *C2
C304 *C2
C305 *C2
C306 *C2
C406 *E3
C413 *E2
C414 E3
C415 *E2
- D101 *A1
D102 *A1
D103 *A2
D104 *A2
D202 *C2
D203 *C3
D205 *C2
D206 *C3
D207 *C3
D208 *C2
D209 *C3
D210 *C2
D402 E1
- FL201 *C4
FL202 *C4
FL203 *C4
FL204 *C4
FL205 *C3
FL206 *C3
FL207 *B3
FL208 *B4
- IC101 *A1
IC201 *A2
IC301 *C2
- L101 *B1
L102 *A1
L103 *B2
L104 *A2
- PS301 *E3
PS401 *C3



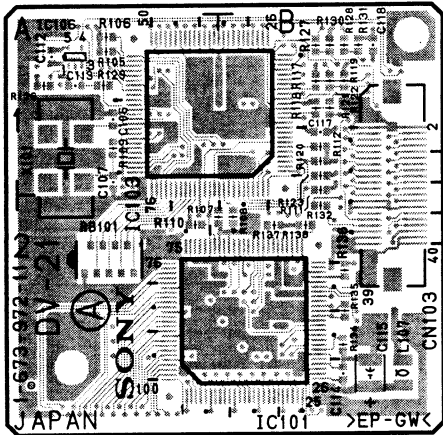
- Q101 *C1
Q102 *C1
Q103 *C1
Q104 *C2
Q407 *E2
Q408 *E2
Q409 *E2
- R102 *B1
R103 *B1
R105 *B1
R106 *A1
R107 *A1
R108 *A1
R109 *A1
R110 *A1
R111 *A1
R112 *B1
R113 *B1
R114 *A1
R115 *A1
R116 *A1
R117 *A1
R118 *A1
R119 *A1
R120 *B1
R121 *B1
R122 *A1
R123 *A1
R124 *B1
R127 *C1
R128 *C1
R129 *C1
R131 *B2
R132 *B2
R134 *C2
R135 *B2
R136 *A1
R137 *A2
R138 *A2
R139 *A2
R140 *A2
R141 *A2
R142 *B2
R143 *B2
R144 *A2
R145 *A2
R146 *A2
R147 *A2
R148 *A2
R149 *A2
R150 *B2
R151 *B2
R152 *A2
R153 *A2
R154 *B2
R201 *C4
R202 *C4
R204 *C4
R205 *C4
R206 *C4
R207 *C4
R219 *C4
R301 *C3
R302 *C3
R303 *C2
R304 *C1
R305 *C1
R306 *C2
R307 *C2
R308 *C2
R309 *C3
R310 *C2
R311 *C2
R312 *C2
R415 *E2
R418 *E2
- S101 B1
S102 B2
- *: B SIDE



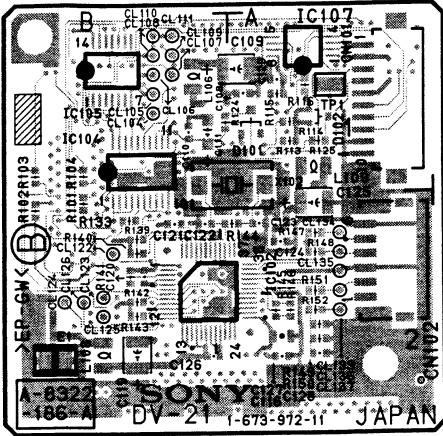
DU-36 -A SIDE-
SUFFIX: -11



DU-36 -B SIDE-
SUFFIX: -11



DV-21 -A SIDE-
SUFFIX: -11



DV-21 -B SIDE-
SUFFIX: -11

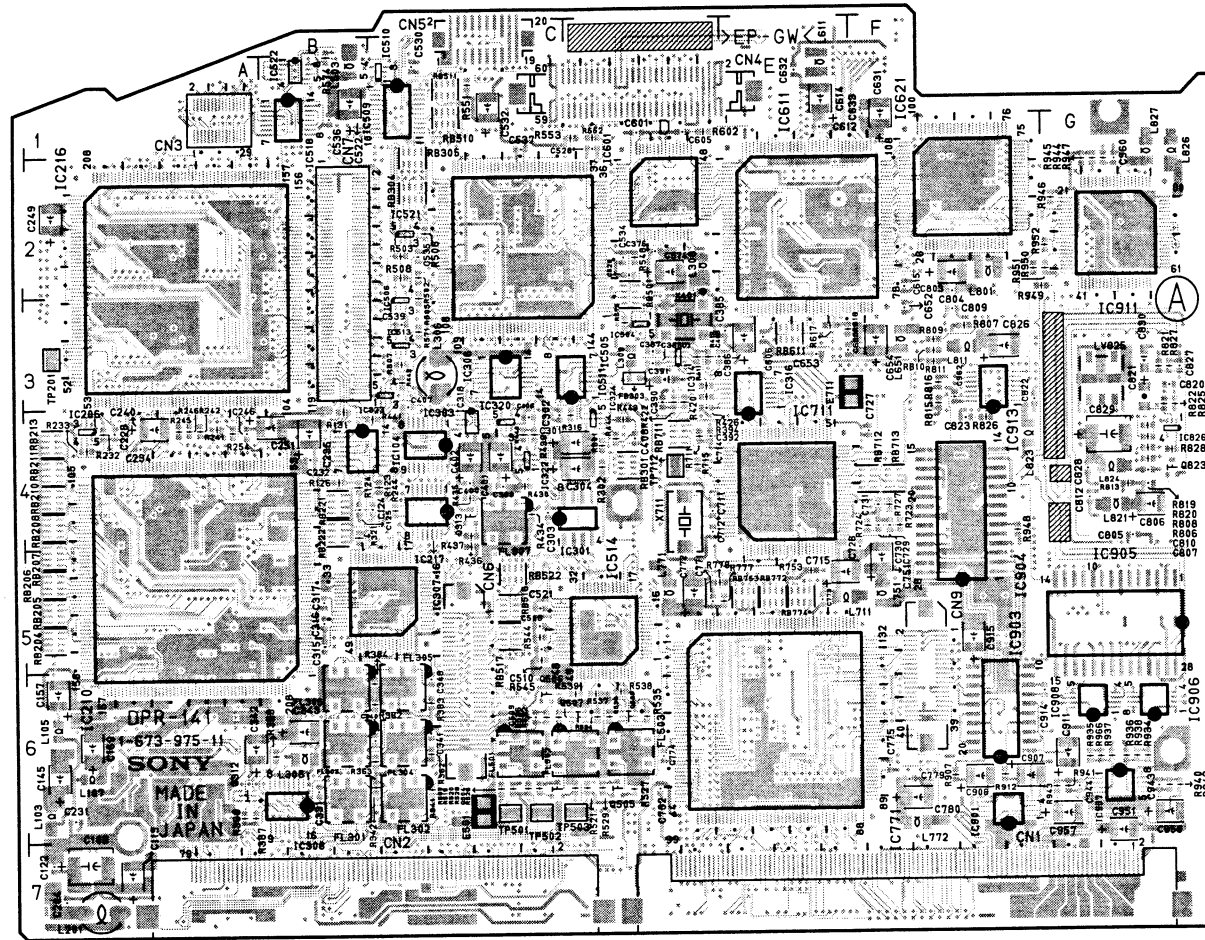
DV-21 (1-673-972-11)

C106	A1	C129	*A1	CN103	B1	R104	*B1	R127	B1	R150	*A2
C107	A1					R105	A1	R128	B1	R151	*A2
C108	*A1	CL104	*B1	D101	*A1	R106	A1	R129	A1	R152	*A2
C109	*A1	CL105	*B1	D102	*A1	R107	B2	R130	B1		
C110	*B1	CL106	*B1			R108	B2	R131	B1	RB101	A2
C111	*B1	CL107	*B1	E1	*B2	R109	A1	R132	B2		
C112	A1	CL108	*B1			R110	A2	R133	*B2	TP1	*A1
C113	A1	CL109	*B1	IC101	B2	R111	B1	R134	B2		
C114	B2	CL110	*B1	IC102	*B2	R112	B1	R135	B2	X101	A1
C115	B2	CL111	*B1	IC103	A1	R113	*A1	R136	B2	X102	*A1
C116	*A2	CL122	*B2	IC104	*B2	R114	*A1	R137	B2		
C117	B1	CL123	*B2	IC105	*B1	R115	*A1	R138	B2		
C118	B1	CL124	*B2	IC106	A1	R116	*A1	R139	*B2		
C119	*B2	CL125	*B2	IC107	*A1	R117	B1	R140	*B2		
C120	*B2	CL126	*B2			R118	B1	R141	*B2		
C121	*B2	CL133	*A2	L106	*B1	R119	B1	R142	*B2		
C122	*B2	CL134	*A2	L107	B2	R120	B1	R143	*B2		
C123	*A2	CL135	*A2	L108	*B2	R121	B1	R144	*A2		
C124	*A2	CL136	*A2	L109	*A1	R122	B1	R145	*A2		
C125	*A2	CL137	*A2			R123	B1	R146	*A2		
C126	*B2			R101	*B2	R124	*B1	R147	*A2		
C127	*A2	CN101	*A1	R102	*B2	R125	*A1	R148	*A2		
C128	*A2	CN102	*A2	R103	*B1	R126	A1	R149	*A2		

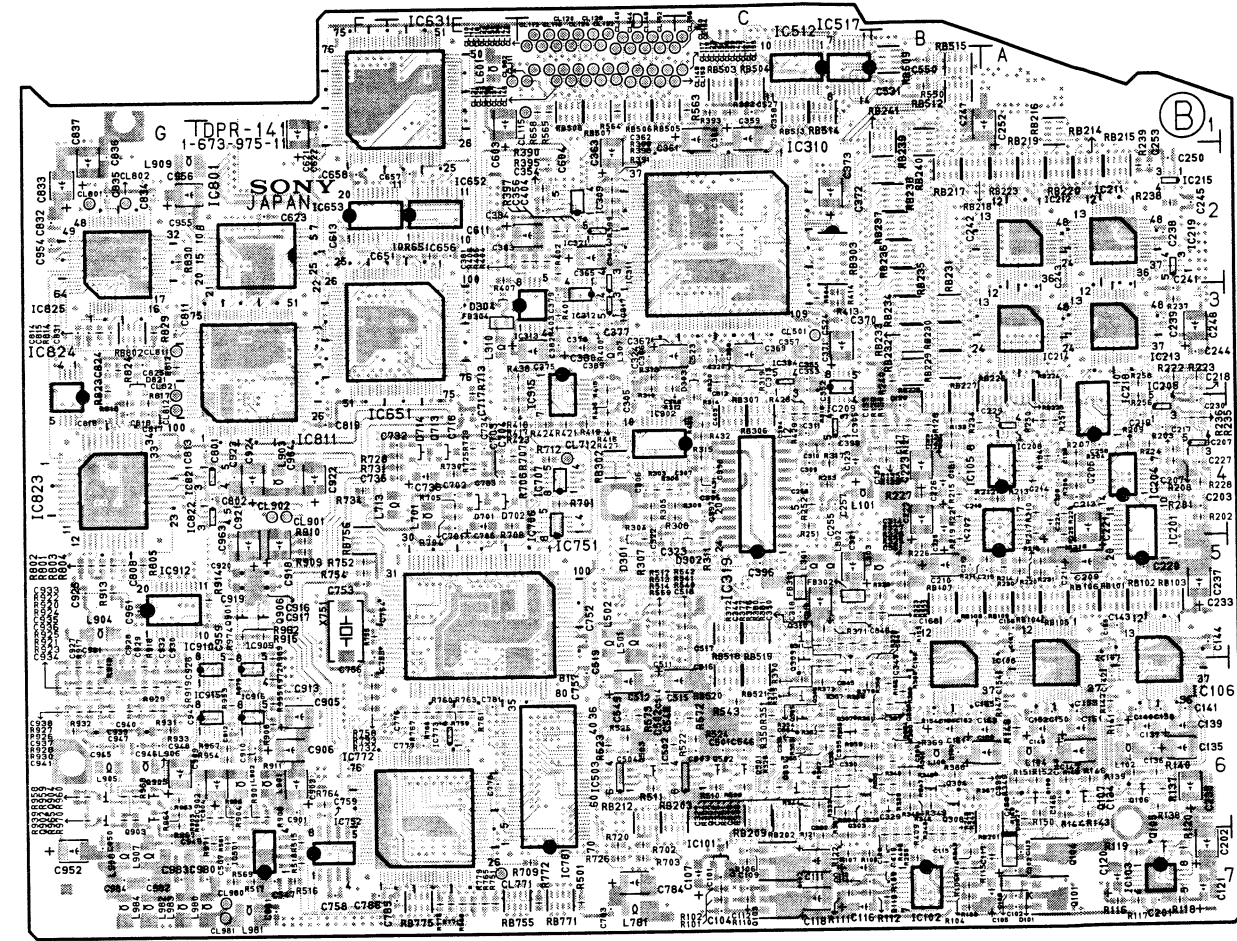
*: B SIDE

DPR-141 (1-673-975-11)

C101	*C7	C227	*A4	C364	*D2	C631	F1	C901	*F6	CL137	*D1	IC215	*A2	L303	*B5	R114	*B7	R254	A4	R390	*D2	R542	*C5	R822	G4	RB204	A5
C102	*A7	C228	A4	C365	*D2	C632	E1	C902	*G6	CL139	*D1	IC216	A2	L305	B6	R115	*B7	R255	*B7	R391	*D2	R543	*C6	R823	*G3	RB205	A5
C103	*A7	C229	*A4	C366	*D3	C633	F1	C903	*F6	CL140	*D1	IC217	C4	L306	C3	R116	*A7	R256	*A4	R392	*C1	R544	C5	R824	*G3	RB206	A5
C104	*C7	C230	*A4	C367	*D3	C651	*E2	C904	*F6	CL141	*D1	IC218	*A4	L307	*D3	R117	*A7	R257	*A4	R393	*C1	R545	C5	R825	G4	RB207	A5
C105	*A7	C231	A6	C368	*C3	C652	F3	C905	*F6	CL142	*D1	IC219	*A2	L308	D2	R118	*A7	R258	*A3	R394	D3	R548	D2	R826	F4	RB208	A4
C106	*A7	C232	B4	C369	*C3	C653	E3	C906	*F6	CL143	*D1	IC301	C4	L309	D3	R119	*A7	R301	D4	R395	*D2	R550	*B1	R827	G3	RB209	*C6
C107	*C7	C233	*A5	C370	*C3	C654	F3	C907	F6	CL144	*D1	IC302	*C4	L310	*E3	R120	*A7	R302	D4	R396	*D2	R551	C1	R828	G4	RB210	A4
C108	A7	C234	A4	C371	*C3	C655	E3	C908	F6	CL145	*D1	IC303	C4	L501	*D5	R121	*C7	R303	*D4	R397	*D2	R552	D1	R829	*G3	RB211	A4
C109	*C7	C235	*A6	C372	*C2	C656	*E2	C909	*G6	CL146	*D1	IC304	*C3	L502	*D5	R122	*C7	R304	*D4	R398	*D2	R553	D1	R830	*G2	RB212	*D6
C110	*C7	C236	B4	C373	*C2	C657	*E2	C910	*F6	CL147	*D1	IC305	*C4	L503	B1	R123	C4	R305	*D4	R399	*D2	R559	*D5	R901	*F6	RB213	A4
C111	*C7	C237	*A5	C374	D2	C658	*F2	C911	G6	CL148	*D1	IC306	C3	L601	*E1	R124	B4	R306	*D4	R400	*D3	R560	C6	R902	*F6	RB214	*A2
C112	*C7	C238	*A2	C375	*D3	C701	*E4	C912	*F6	CL149	*D1	IC307	C5	L611	E1	R125	*B4	R307	*D4	R401	*D3	R561	*F7	R903	*F6	RB215	*A2
C113	*A7	C239	*A3	C376	D2	C702	*E4	C913	*F6	CL150	*D1	IC308	B6	L651	F3	R126	B4	R308	*D4	R402	*D3	R563	*C1	R904	*F6	RB216	*A1
C114	*C7	C240	A4	C377	*D3	C703	*E4	C914	G6	CL151	*D1	IC309	*D2	L701	*E4	R127	*B4	R309	*D4	R403	*D3	R564	*D1	R905	*F6	RB217	*B2
C115	*B7	C241	*A3	C378	*D3	C704	*E4	C915	F5	CL152	*D1	IC310	*C2	L711	E5	R128	*B4	R310	*D3	R404	*D2	R565	*D1	R906	*F6	RB218	*B2
C116	*C7	C242	*B2	C379	*D3	C705	*E4	C916	*F5	CL153	*D1	IC311	*D2	L713	*E4	R129	*C4	R311	*C4	R405	*D2	R568	*E7	R907	F6	RB219	*A2
C117	*A7	C243	*A3	C380	*D3	C711	D4	C917	*F5	CL154	*D1	IC312	*D3	L751	F5	R130	*B4	R312	*D3	R406	*D2	R569	*F7	R908	*F6	RB220	*A2
C118	*C7	C244	*A3	C381	*E2	C712	D4	C918	*F4	CL155	*C1	IC313	*D3	L771	D5	R131	B4	R313	*D3	R407	*E2	R571	C3	R909	*F5	RB221	B4
C119	A7	C245	*A2	C382	*D3	C714	D4	C919	*F4	CL156	*C1	IC314	D3	L772	F6	R132	*B4	R314	*C3	R408	*B7	R572	*C6	R910	*F4	RB222	B4
C120	*A7	C246	A4	C383	*D2	C715	E5	C920	*F5	CL501	*C3	IC315	*D3	L781	*D7	R133	*B4	R315	*C4	R409	*B7	R573	*D6	R911	*F6	RB223	*A2
C121	*A7	C247	*B1	C384	*E2	C716	*E4	C921	*F4	CL712	*D4	IC316	E4	L801	F2	R134	*A4	R316	D4	R410	*B7	R574	B1	R912	F6	RB224	*A3
C122	A7	C248	*A3	C385	E3	C717	*E4	C922	*F4	CL771	*E7	IC317	*D3	L811	F3	R135	*B4	R317	*C4	R411	D3	R575	D3	R913	*G5	RB225	*A3
C123	*C4	C249	A2	C386	E3	C727	F4	C923	*F4	CL801	*G2	IC318	C4	L821	G4	R136	*B4	R318	*C4	R412	D3	R602	D1	R914	*F5	RB226	*A3
C124	C4	C250	*A2	C387	D3	C728	F5	C924	*F4	CL802	*G2	IC319	*C5	L823	F4	R137	*A6	R319	*C3	R413	*C3	R616	E3	R915	*F5	RB227	*B4
C125	B4	C251	B4	C388	D3	C729	F4	C925	*G5	CL811	*G3	IC320	C4	L824	G4	R138	*A6	R320	*C3	R414	*C3	R617	E3	R916	*G5	RB228	*B4
C126	*C7	C252	*A1	C389	*D3	C730	F4	C926	*G5	CL812	*G4	IC321	*D2	L826	G2	R139	*A6	R321	B4	R415	*D3	R651	*E2	R917	*G5	RB229	*B3
C127	*B4	C253	*A2	C390	D3	C731	F4	C927	*G5	CL821	*G3	IC322	C4	L827	G2	R140	*A6	R322	*B5	R416	*D4	R658	*D1	R918	*G5	RB230	*B3
C128	*B4	C255	*C4	C391	D3	C732	*E4	C928	*G5	CL901	*F4	IC323	C3	L901	*F6	R141	*A6	R323	*C5	R417	*E3	R701	*D4	R919	*G6	RB231	*B3
C129	*B4	C256	*C4	C392	D4	C733	*E4	C929	*G5	CL902	*F4	IC324	D4	L902	*F6	R142	*A6	R324	*C5	R418	*E3	R702	*D7	R920	*G6	RB232	*B3
C130	*A4	C257	*C4	C393	*C4	C734	*E4	C930	*G5	CL980	*F7	IC501	*F7	L903	*F4	R143	*A6	R325	*B5	R419	*D4	R703	*D7	R921	*G6	RB233	*B3
C131	*B4	C258	*A4	C394	*C4	C735	*E4	C931	*G5	CL981	*F7	IC502	*C6	L904	*G5	R144	*A6	R326	*B5	R420	D3	R704	*E4	R922	*G6	RB234	*B3
C132	*C4	C301	D4	C395	*C4	C736	*E4	C932	*G5	CL982	*E1	IC503	*D6	L905	*G6	R145	*A6	R327	*B5	R421	*D4	R705	*E4	R923	*G6	RB235	*B2
C133	*C4	C302	C4	C396	*C5	C751	F5	C933	*G6			IC504	D3	L906	*G6	R146	*A6	R328	*B5	R422	D3	R706	*E4	R924	*G6	RB236	*B2
C134	*A6	C303	C4	C397	*C4	C752	*D5	C934	*G6	CN1	F7	IC505	C2	L907	*G7	R147	*A6	R329	*C6	R423	*E4	R707	*E4	R925	*G6	RB237	*B2
C135	*A6	C304	D4	C398	*C4	C753	*F5	C935	*G6	CN2	C7	IC506	C3	L908	*G7	R148	*A6	R330	*C6	R424	*D4	R708	*E4	R926	*G6	RB238	*B2
C136	*A6	C305	*D3	C399	C4	C754	*F5	C936	*G6	CN3	A1	IC509	C1	L909	*G2	R149	*A6	R331	*C6	R425	*D3	R709	*D7	R927	*G6	RB239	*B2
C137	*A6	C306	*D4	C400	C4	C755	*F5	C937	*G6	CN4	D1	IC510	C1	L980	*F7	R150	*A6	R332	*C6	R426	D3	R711	D4	R928	*G6	RB240	*B1
C138	*A6	C307	*C4	C401	C4	C756	*F6	C938	*G6	CN5	C1	IC511	D3	L981	*F7	R151	*A6	R333	*C6	R427	*D4	R712	*D4	R929	*G6	RB241	*B1
C139	*A6	C308	*D3	C402	C4	C757	*D6	C939	*G6	CN6	C6	IC512	*C1	L982	*G7	R152	*A6	R334	*C6	R428	*C4	R713	*E3	R930	*G6	RB301	D4
C140	*A6	C309	*C4	C403	*C4	C758	*F7	C940	*G6	CN7	B2	IC513	C3	L983	*G7	R153	*B5	R335	*C6	R429	*C4	R715	D4	R931	*G6	RB302	*D4
C141	*A6	C310	*C4	C404	*D2	C759	*F6	C941	*G6	CN9	F6	IC514	D5	L984	*G7	R154	*B6	R336	*C6	R430	C4	R720	*D7	R932	*G6	RB303	*C2
C142	*A6	C311	*C4	C405	D3	C771	D5	C942	*G6			IC517	*C1			R155	*B6	R337	*C6	R431	*C4	R723	F4	R933	*G6	RB304	C2
C143	*A5	C312	*C3	C406	C4	C772	D5	C943	G6	D101	*A7	IC518	B1	LV825	G3	R201	*A4	R338	*C6	R432	*C4	R724	F4	R934	G6	RB305	C2
C144	*A5	C313	*C3	C407	C3	C773	E5	C944	G6	D102	*A7	IC521	C2			R202	*A4	R339	*B6	R433	*C4	R725	*E4	R935	G6	RB306	*C4
C145	A6	C314	*B5	C408	D4	C774	D6	C945	*G6	D301	*D4	IC522	B1	Q101	*A7	R203	*A4	R340	*B6	R434	C4	R726	*D7	R936	G6	RB307	*C4
C146	*A6	C315	B5	C501	*C6	C775	F6	C946	*G6	D302	*C4	IC601	D2	Q102	*C7	R204	*A4	R341	C6	R435	C4	R727	F4	R937	G6	RB501	D3
C147	*A6	C316	B5	C502	*D6	C776	*E6	C947	*G6	D303	*C3	IC611	E2	Q103	*C7	R206	*A4	R342	C6	R436	C5	R728	*E4	R938	G6	RB503	*C1
C148	*A6	C317	B5	C503	*C6	C777	*E6	C948	*G6	D304	*E3	IC621	F2	Q104	*A7	R207	*A4	R343	*B6	R437	C4	R729	*E4	R939	*G6	RB504	*C1
C149	*A6	C318	*C5	C504	*D6	C778	*E6	C949	*G7	D701	*E4	IC631	*E1	Q105	*A7	R208	*A4	R344	*C6	R438	*E3	R730	*E4	R940	G6	RB505	*D1
C150	*A6	C319	*C5	C507	*F7	C779	F6	C950	*G7	D702	*E4	IC651	*E3	Q106	*A6	R209	*A4	R345	*B6	R439	C4	R731	*E4	R941	G6	RB506	*D1
C151	*A6	C320	*C3	C508	C5	C780	F6	C951	G6	D713	*E4	IC652	*E2	Q107	*A6	R210	*A4	R346	*B6	R440	C4	R732	*F6	R942	G6	RB507	*D1
C152	*A6	C321	*C5	C509	C6	C781	*E6	C952	*G7	D714	*E4	IC653	*F2	Q108	*A6	R211	*A5	R347	*B6	R441	C4	R733	*F6	R943	G6	RB508	*D1
C153	*A6	C322	*D4	C510	C5	C782	D6	C954	G2	D821	*G3	IC706	*D4	Q301	*C6	R212	*A4	R348	*B6	R442	C3	R734	*F4	R944	G2	RB509	*B1
C154	*A6	C323	*D4	C511	*D5	C783	*D7	C955	*G2			IC707	*D4	Q302	*C6	R213	*A4	R349	*B6	R443	D4	R751	*E7	R945	G2	RB510	C1
C155	*A5	C324	*D3	C512	*D6	C784	*D7	C956	*G2	E501	C6	IC711	E4	Q303	*C6	R214	*A5	R350	*C6	R444	D4	R752	*F5	R946	G2	RB511	C1
C156	*A5	C325	*C6	C513	*D6	C785	*E7	C957	G6	E711	F3	IC751	*E5	Q304	*B6	R215	*B4	R351	*C6	R445	D4	R753	E5	R947	G2	RB512	*B1
C157	A6	C326	*C6	C514	*D6	C786	*F7	C958	G6			IC752	*F7	Q305	*C6	R216	*A5	R352	*C6	R446	D4	R754	*F5	R948	F4	RB513	*C1
C158	*A6	C327	*C6	C515	*D6	C801	*F4	C959	*F5	FB301	*C5	IC771	B6	Q306	*C6	R217	*A4	R353	*C6	R447	D4	R755	*F				



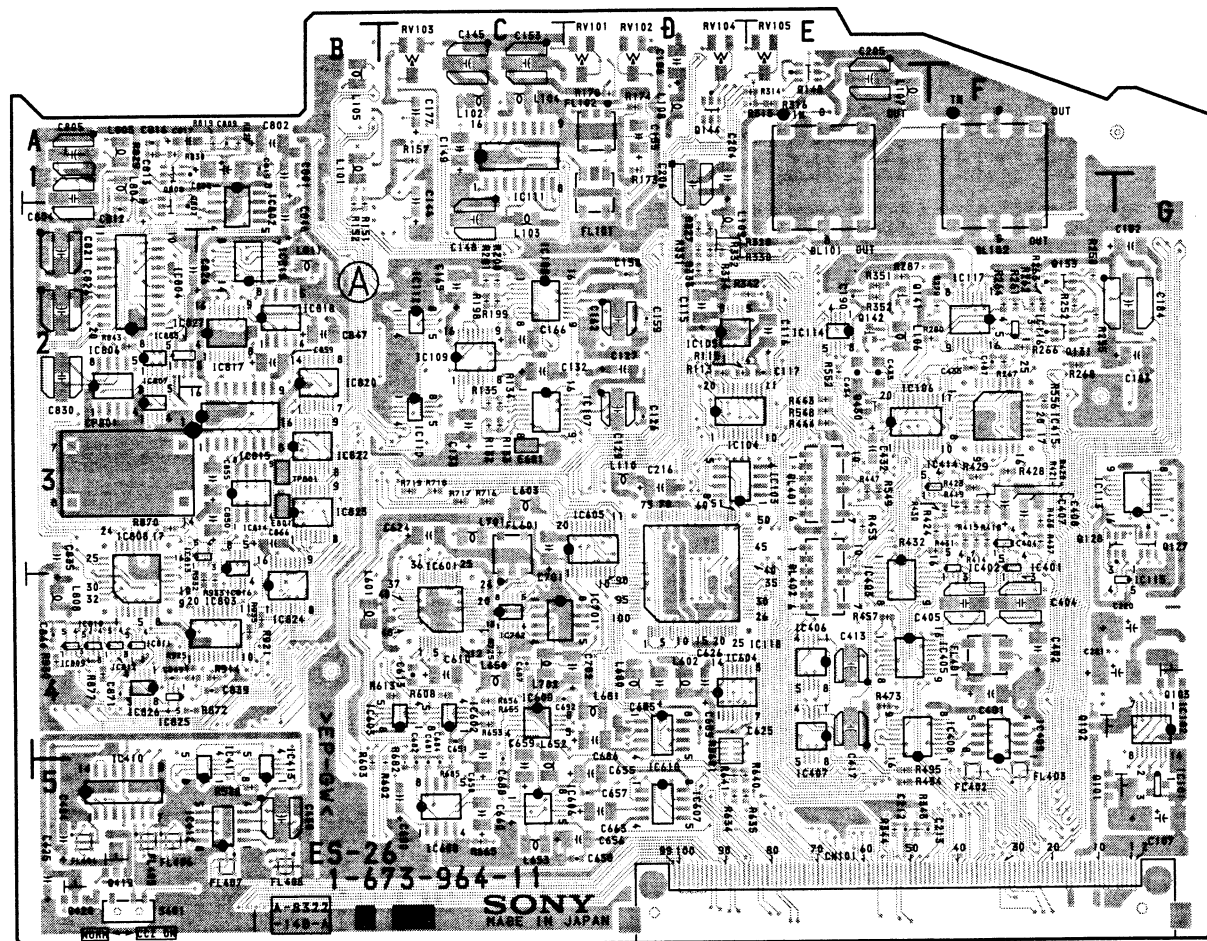
DPR-141 -A SIDE-
SUFFIX: -11



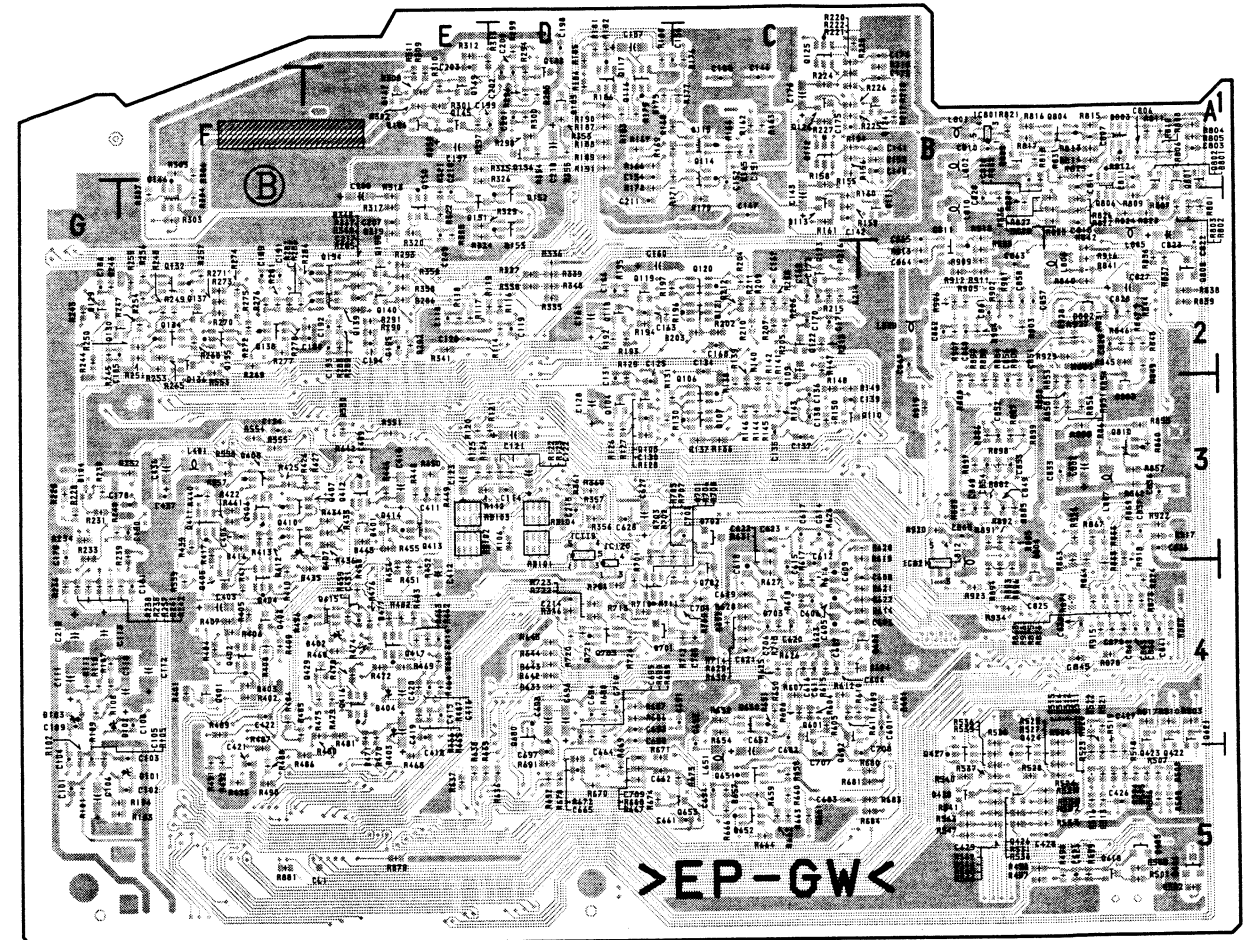
DPR-141 -B SIDE-
SUFFIX: -11

ES-26 (1-673-964-11)

C101	*G5	C194	*E2	C650	C5	C850	B3	IC404	F3	Q107	*C3	Q805	*B1	R186	*D1	R279	F2	R412	*F3	R505	*A5	R639	*E5	R823	*A2	R916	*A2
C102	*F5	C195	*E2	C651	C4	C851	*B3	IC405	E4	Q109	*C2	Q806	*A1	R187	*D1	R280	F2	R413	*F3	R506	*A5	R640	D5	R824	*A2	R917	*A3
C103	*F5	C196	D1	C652	*C5	C852	*B3	IC406	E4	Q110	*C3	Q807	A2	R188	*D1	R281	*F2	R414	F3	R507	*A5	R641	D5	R825	*A1	R918	*A3
C104	*G5	C197	*E1	C653	*C4	C853	*B3	IC407	E4	Q111	*B2	Q808	A1	R189	*D1	R282	*F2	R415	F3	R508	*A5	R642	*D4	R826	*A2	R919	*B3
C105	*G5	C198	*D1	C654	*C5	C854	*B3	IC408	E4	Q112	*C1	Q809	*A2	R190	*D1	R283	*F2	R416	*F3	R509	*A5	R643	*D4	R827	*A2	R920	*B3
C106	*G5	C199	*D1	C655	D5	C855	B3	IC409	F4	Q113	*C2	Q810	*A3	R191	*D1	R284	*F2	R417	*F3	R510	*A4	R644	*D4	R828	*A2	R921	B4
C107	G5	C200	*D1	C656	D5	C856	*B3	IC410	A5	Q114	*C1	Q811	*B2	R192	*D2	R285	*E2	R418	F3	R511	*A5	R645	*D4	R829	A1	R922	*A3
C108	*F4	C201	*D1	C657	D5	C857	*B2	IC411	B5	Q115	*C1			R193	*D2	R286	*E2	R419	F3	R512	*A5	R650	*C4	R830	A1	R923	*B4
C109	*G4	C202	*D1	C658	D5	C858	*B2	IC412	B5	Q116	*D1	R101	*G5	R194	*D2	R287	E2	R420	F3	R513	*A5	R651	*C4	R831	*A1	R924	*A3
C110	*F4	C203	*E1	C659	C5	C859	B2	IC413	B5	Q117	*D1	R102	*G5	R195	*D2	R288	*E2	R421	F3	R514	*A5	R652	*C4	R832	*B1	R925	A4
C111	*G4	C204	D1	C660	C5	C860	*B2	IC414	F3	Q118	*D2	R103	*G5	R196	*D2	R289	*E2	R422	*F3	R515	*A5	R653	C4	R833	*A2	R926	*A4
C112	*F4	C205	E1	C661	*C5	C861	*B2	IC415	F3	Q119	*D2	R104	*G5	R197	*D2	R290	*E2	R423	F3	R516	*A5	R654	*C4	R834	*B2	R927	*A2
C113	*G4	C206	D1	C662	*D5	C862	*B2	IC601	C4	Q120	*C2	R105	*G5	R198	C2	R291	*E2	R424	F3	R517	*A4	R655	C4	R835	*B2	R928	*A2
C114	*D3	C207	*E2	C663	D5	C863	*B2	IC602	C4	Q121	*C2	R106	*D3	R199	C2	R292	*E2	R425	*F3	R518	*A5	R656	C4	R836	*A2	R929	*A2
C115	D2	C208	*E1	C664	*D5	C864	*B2	IC603	C4	Q122	*C2	R107	*G4	R200	C2	R293	*E2	R426	*E3	R519	*A5	R657	*C5	R837	*A2	R930	A4
C116	E2	C209	*E2	C665	*D5	C865	*B2	IC604	D4	Q123	*C2	R108	*G4	R201	C2	R294	*D1	R427	*E3	R520	*A5	R658	*C5	R838	*A2	R931	*A2
C117	E2	C210	*E1	C680	C5	C866	B3	IC605	D5	Q124	*B1	R109	*G4	R202	*C2	R295	*D1	R428	F3	R521	*A4	R659	*C5	R839	*A2	R932	B4
C118	*E2	C211	*D2	C681	C5	C867	*B2	IC606	C5	Q125	*C1	R110	*G4	R203	*C2	R296	*D1	R429	F3	R522	*A4	R660	*C5	R840	*A2	R933	B4
C119	*D2	C212	E5	C682	C5	C868	*B3	IC607	D5	Q126	*C1	R111	*G4	R204	*C2	R297	*E1	R430	F3	R523	*A5	R661	*C5	R841	*A2	R934	*B4
C120	*E2	C213	E5	C683	*C5	C869	A4	IC608	C5	Q127	G3	R112	*G4	R205	*C2	R298	*D1	R431	F3	R524	*A4	R662	*C5	R842	*A2	R935	B4
C121	*D3	C214	*D4	C684	C5	C870	*A4	IC609	C4	Q128	F3	R113	D2	R206	*C2	R299	*D1	R432	F3	R525	*A5	R663	*C5	R843	A2		
C122	*D3	C215	*D3	C685	D4	C871	A4	IC610	D4	Q129	*G2	R114	*D2	R207	*C2	R300	*D1	R433	*E3	R526	*A5	R664	*C5	R844	*A2	RB101	*D3
C123	*E3	C216	D3	C686	D4			IC701	C4	Q130	*F2	R115	D2	R208	*C2	R301	*E1	R434	*E3	R527	*A5	R665	C5	R845	*A2	RB102	*E3
C124	*F3	C217	*E2	C687	C4	CL1	*E5	IC702	C4	Q131	F2	R116	*D2	R209	*C2	R302	*E1	R435	*E3	R528	*B5	R666	*C5	R846	*A2	RB103	*E3
C125	*D3	C218	*D1	C688	C5			IC801	*B1	Q132	*F2	R117	*E2	R210	*C2	R303	*F2	R436	*E3	R529	*B5	R667	*D5	R847	*A2	RB104	*D3
C126	D3	C219	*G4	C689	D4	CN101	E5	IC802	B2	Q133	F2	R118	*E2	R211	*C2	R304	*F1	R437	F3	R530	*B5	R668	*D5	R848	*A2	RB601	D4
C127	D2	C220	G4	C690	*D4			IC803	B4	Q134	*F2	R119	*D2	R212	*C2	R305	*F1	R438	F3	R531	*B5	R669	*D5	R849	*A2		
C128	*D3	C221	F4	C691	*C4	CP801	A3	IC804	A2	Q135	*F2	R120	*E3	R213	*C2	R306	*F1	R439	*F3	R532	*B5	R670	*D5	R850	*A3	RV101	D1
C129	D3	C401	F4	C692	C4			IC805	A2	Q136	*F2	R121	*D3	R214	*C2	R307	*F1	R440	*F3	R533	*B5	R671	*D5	R851	*A3	RV102	D1
C130	*D3	C402	F4	C693	*D4	D101	*F5	IC806	A2	Q137	*F2	R122	*D3	R215	*C2	R308	*E1	R441	*F3	R534	*B5	R672	*D5	R852	*A3	RV103	C1
C131	*D2	C403	*F4	C694	*D4	D102	*G4	IC807	A3	Q138	*F2	R123	*D3	R216	*C2	R309	*E1	R442	*E3	R535	*B4	R673	*C5	R853	*A3	RV104	D1
C132	C2	C404	F4	C695	*D4	D103	*G4	IC808	A4	Q139	*E2	R124	*E3	R217	*B1	R310	*E1	R443	E3	R536	*B5	R674	*D5	R854	*A3	RV105	E1
C133	C3	C405	F4	C696	*D4	D104	*G3	IC809	A4	Q140	*E2	R125	*E3	R218	*B1	R311	*E1	R444	E3	R537	*B5	R678	*D5	R855	*A3		
C134	*C2	C406	*F3	C697	*D4	D105	*D1	IC810	A4	Q141	E2	R126	*D3	R219	*B1	R312	*E1	R445	*E3	R538	B5	R680	*B5	R856	*A3	S401	A5
C135	*C3	C407	F3	C698	*D4	D106	*E1	IC811	A4	Q142	E2	R127	*D3	R220	*C1	R313	*D1	R446	*E3	R539	*B5	R681	*B5	R857	*A3		
C136	*C3	C408	F3	C701	C3	D401	*E3	IC812	A4	Q143	*D1	R128	*D3	R221	*C1	R314	E1	R447	E3	R540	*B5	R682	C5	R858	*A3	TP801	B3
C137	*C3	C409	*E3	C702	D4	D402	*E4	IC813	B3	Q144	D1	R129	*D2	R222	*C1	R315	E1	R448	*E3	R541	*B5	R683	*B5	R859	*A3		
C138	*C3	C410	*E3	C703	*C3	D403	*E4	IC814	B3	Q145	*E1	R130	*D3	R223	*C1	R316	E1	R449	*E3	R542	*B5	R684	*B5	R860	*A3		
C139	*C3	C411	*E3	C704	*C4	D404	*E4	IC815	B3	Q146	*F1	R131	*D3	R224	*C1	R317	*E2	R450	*E3	R543	*B5	R685	C5	R861	*A3		
C140	*B1	C412	*E4	C705	*C4	D405	*A5	IC816	B3	Q147	*E1	R132	C3	R225	*C1	R318	*E1	R451	*E3	R544	*B5	R686	*D4	R862	*A3		
C141	*B1	C413	*E4	C706	*C4	D406	*A5	IC817	B2	Q148	E1	R133	C3	R226	*C1	R319	*E2	R452	*E3	R545	*B5	R687	*D4	R863	*A3		
C142	*C2	C414	*E4	C707	*C5	D407	*F3	IC818	B2	Q149	*E1	R134	C3	R227	*C1	R320	*E2	R453	E3	R546	*B5	R688	*D4	R864	*A3		
C143	*C2	C415	*E4	C708	*B5	D701	*D4	IC819	B2	Q150	*E2	R135	C3	R228	*G3	R321	*E1	R454	*E3	R547	*B5	R689	*D4	R865	*A4		
C144	C2	C416	*E4	C709	*D5	D702	*C3	IC820	B2	Q151	*E2	R136	*C3	R229	*G3	R322	*E2	R455	*E3	R548	E3	R690	*D4	R866	*A3		
C145	C1	C417	E4	C710	*D4	D703	*C4	IC821	*B3	Q152	*D1	R137	*C3	R230	*G3	R323	*E2	R456	*E4	R549	E3	R691	*D5	R867	*A3		
C146	*C1	C418	*E4	C801	B1	D801	*A1	IC822	B3	Q153	*D2	R138	*C3	R231	*G3	R324	*E2	R457	E4	R550	*E3	R692	*D5	R868	*A4		
C147	*C2	C419	*E4	C802	B1	D802	*A2	IC823	B3	Q154	*E2	R139	*C3	R232	*F3	R325	*E1	R458	*E4	R551	*E3	R701	*D4	R869	*A3		
C148	C2	C420	*E4	C803	*A1	D803	*A3	IC824	B4	Q155	*E2	R140	*C3	R233	*G3	R326	*E1	R459	*E4	R552	E2	R702	*D3	R870	A3		
C149	C1	C421	*F5	C804	A1	D804	*B4	IC825	A4	Q156	*D1	R141	*C3	R234	*G3	R327	D2	R460	*E4	R553	*F2	R703	*D3	R871	*A4		
C150	*C1	C422	*F4	C805	A1			IC826	A4	Q401	*F4	R142	*C3	R235	*G4	R328	D2	R461	*E4	R554	*F3	R704	*D4	R872	A4		
C151	*C1	C423	*A5	C806	*A1	DL101	E1	IC827	A2	Q402	*F4	R143	*C3	R236	*G4	R329	*E2	R462	*E4	R555	*F3	R705	*D3	R873	*A4		
C152	*C1	C424	A5	C807	*A1	DL102	F1			Q403	*F4	R144	*C3	R237	*G4	R330	D2	R463	*E4	R556	F3	R706	*D4	R874	*A4		
C153	C1	C425	A5	C808	B1	DL401	E3	L101	B1	Q404	*F4	R145	*C3	R238	*G4	R331	D2	R464	*E4	R557	*F3	R707	*C3	R875	*A4		
C154	*D1	C426	*A5	C809	B1	DL402	E4	L102	C1	Q405	*F4	R146	*C3	R239	*F3	R332	D2	R465	*E4	R558	*F3	R708	*C4	R876	*A4		
C155	D1	C427	*A4	C810	*B1			L103	C2	Q406	*F3	R147	*C2	R240	*G3	R333	D2	R466	*E4	R559	*F4	R709	*C4	R877	A4		
C156	*C1	C428	*B5	C811	*A1	E601	C3	L104	C1	Q407	*F3	R148	*C3	R241	*G4	R334	D2	R467	*E4	R601	*B4	R710	*D4	R878	*A4		
C157	*D1	C429	*B5	C812	A2	E801	B3	L105	B1	Q408	*F3	R149	*C3	R242	*F4	R335	*D2	R468	*E5	R602	C5	R711	*D4	R879	*E5		
C158	D2	C430	B5	C813	A1			L106	E2	Q410	*F3	R150	*C3	R243	*G2	R336	*D2	R469	*E4	R603	B5	R712	*C4	R880	*A4		
C159	D2	C431	*E4	C814	*A1	FL101	D1	L107	E1	Q411	*F3	R151	B2	R244	*G2	R337	*D2	R470	*E4	R604</							



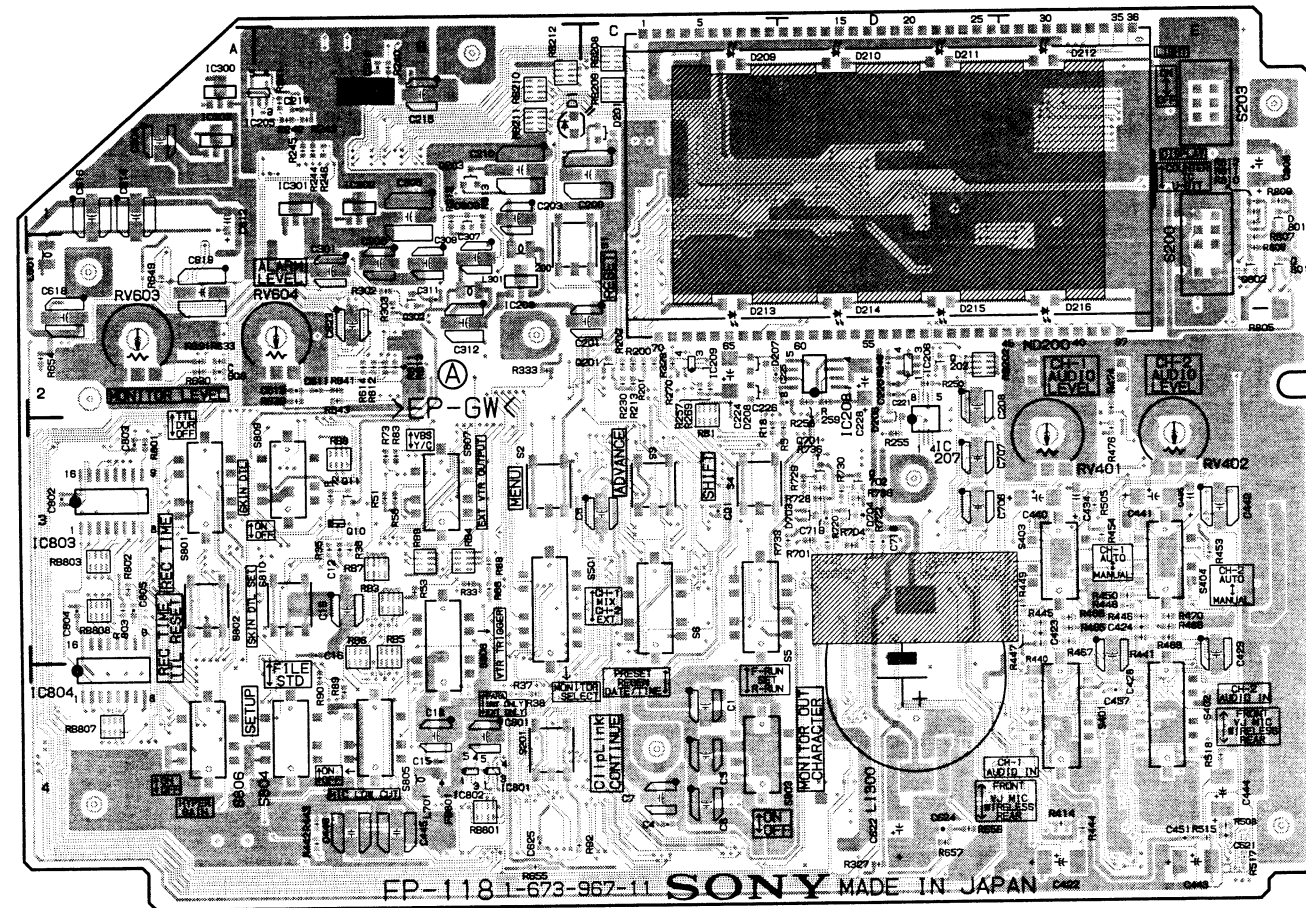
ES-26 -A SIDE-
SUFFIX: -11



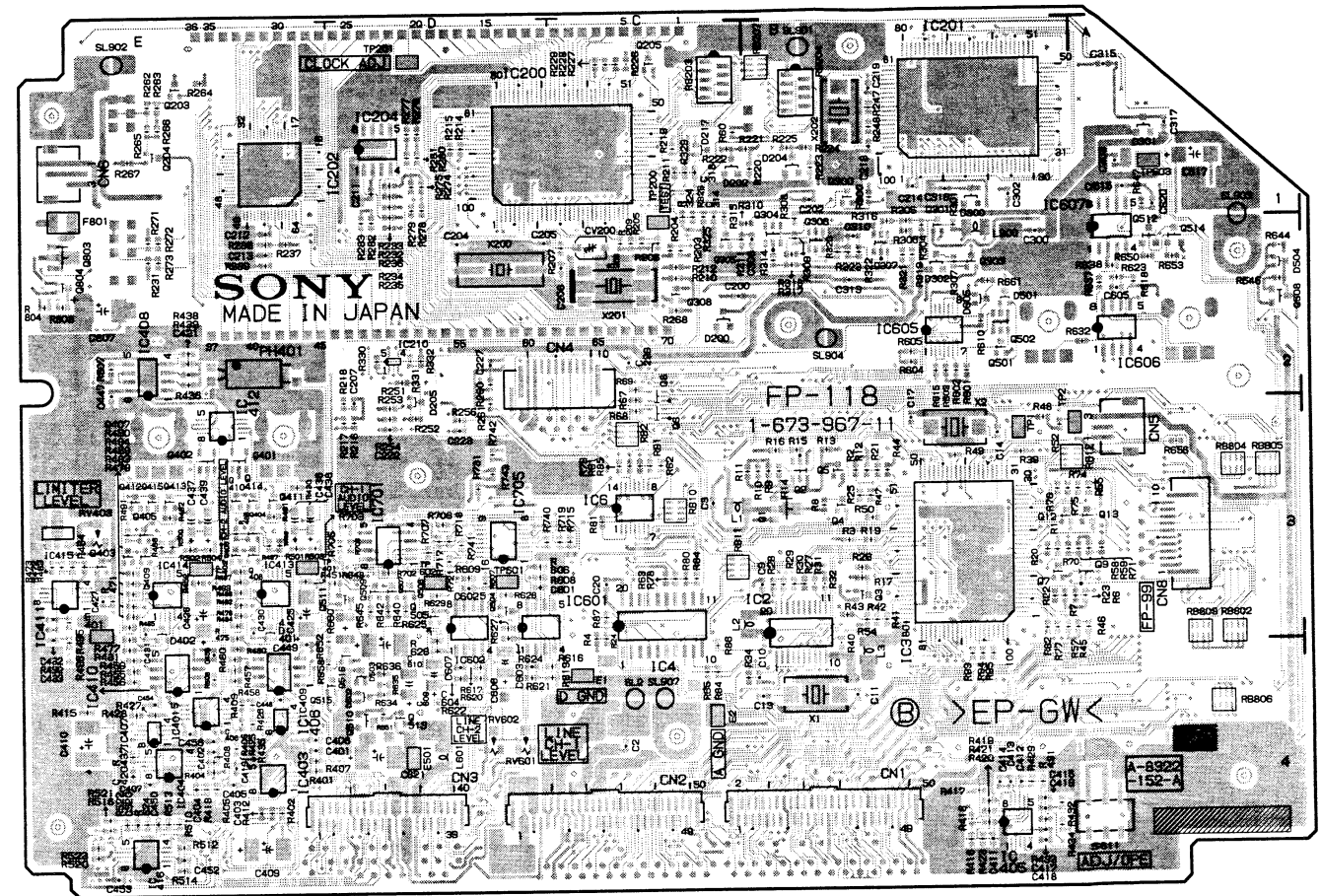
ES-26 -B SIDE-
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FP-118(1-673-967-11)

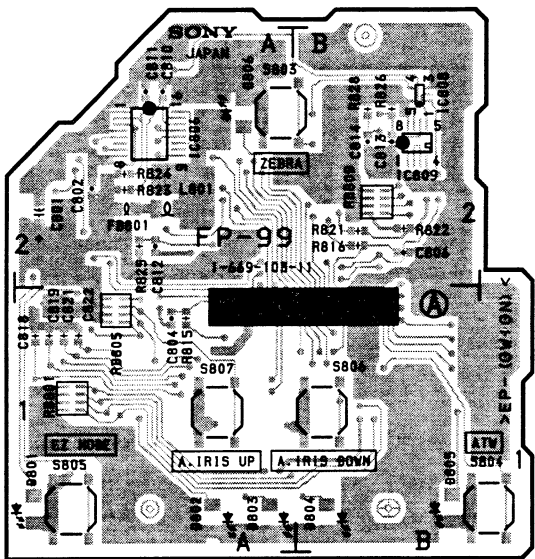
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C2	*C4	C425	*E3	CL22	*C4	CL710	*D4	IC303	A1	Q509	*D3	R79	*C3	R276	*D1	R457	*E4	R629	*D3	RB801	B4
C3	*C3	C426	*E3	CL23	*D4	CL801	*B4	IC401	*E4	Q510	*D4	R80	*C3	R277	*D1	R458	*E4	R630	A2	RB802	*A3
C4	C4	C427	*E3	CL24	*C4	CL802	*B4	IC403	*E4	Q511	*D3	R81	*C3	R278	*D1	R459	*E4	R631	A2	RB803	A3
C5	C4	C428	E4	CL25	*C4	CL803	*B4	IC404	*E4	Q512	*A2	R82	*B3	R279	*D1	R460	*E4	R632	*A2	RB804	*A3
C6	C3	C429	E4	CL26	*D4	CL804	*B4	IC405	*B4	Q513	*D4	R83	B3	R280	*D1	R461	*E3	R633	A2	RB805	*A3
C7	C4	C430	*E3	CL27	*B4	CL805	*B4	IC406	*E4	Q514	*A2	R84	*C4	R281	*D1	R462	*E3	R634	*D4	RB806	*A4
C8	C4	C431	*E3	CL28	*B4	CL806	*A3	IC407	*E4	Q515	*D4	R85	*C3	R282	*D1	R463	*E3	R635	*D4	RB807	A4
C9	*B3	C432	*E3	CL29	*A3	CL807	*A3	IC408	*E2	Q516	*D4	R86	*C3	R283	*D1	R464	*E3	R636	*D4	RB808	A3
C10	*B4	C433	*E3	CL30	*C3	CL808	*A3	IC409	*E4	Q701	D3	R87	*C3	R300	*B1	R465	E3	R637	*A2	RB809	*A3
C11	*B4	C434	E3	CL31	*C3	CL809	*B4	IC410	*E4	Q702	D3	R88	B3	R301	*B2	R466	E3	R638	*A2		
C12	B3	C435	E3	CL34	*B4	CL810	*B4	IC411	*E3	Q801	E2	R89	B4	R302	B2	R467	E3	R639	B2	RV401	E3
C13	*B4	C436	*E3	CL35	*B4	CL811	*B4	IC412	*E3	Q802	E2	R90	B4	R303	B2	R468	E3	R640	*D3	RV402	E3
C14	*B3	C437	*E3	CL36	*B4	CL812	*B4	IC413	*E3	Q803	*E2	R91	*C3	R304	*B2	R469	E3	R641	B2	RV403	*E3
C15	B4	C438	*E3	CL37	*C4	CL813	*A3	IC414	*E3	Q804	*E2	R92	B4	R305	*B2	R470	E3	R642	*D3	RV601	*D4
C16	B3	C439	*E3	CL38	*C4	CL814	*A3	IC415	*E3			R93	*B4	R306	*B2	R471	*E3	R643	B2	RV602	*D4
C17	*B3	C440	E3	CL39	*C4	CL815	*A3	IC416	*E4	R1	*B3	R94	*B4	R307	*B2	R472	*E3	R644	*A2	RV603	A2
C18	B4	C441	E3	CL40	*C4	CL816	*A3	IC601	*D3	R2	*B3	R95	*B4	R308	*B1	R473	*E3	R645	*D3	RV604	B2
C19	E3	C442	E3	CL41	*C4	CL817	*D4	IC602	*D3	R3	*B3	R200	C2	R309	*B2	R474	E3	R646	*A2		
C20	*C3	C443	E4	CL42	*C4	CL818	*E1	IC605	*B2	R4	*C3	R201	C2	R310	*B2	R475	*E3	R647	*A1	S1	B2
C21	C3	C444	E4	CL43	*C4	CL819	*D4	IC606	*A2	R5	D3	R202	C2	R311	*C2	R476	E3	R648	*D3	S2	B3
C200	*C2	C445	B4	CL44	*C4	CL820	*D4	IC607	*A2	R6	*A3	R203	*C2	R312	B1	R477	*E3	R649	A2	S3	C3
C201	C2	C446	B4	CL45	*C4			IC701	*D3	R7	*B3	R204	*C2	R313	B1	R478	*E3	R650	*A2	S4	C3
C202	*B1	C447	*E2	CL46	*B4	CN1	*B4	IC705	*D3	R8	*B3	R205	*C2	R314	*B2	R479	*E3	R651	*D4	S5	C3
C203	B1	C448	*E4	CL47	*B4	CN2	*C4	IC801	B4	R9	*B3	R206	*C2	R315	*C1	R480	*E3	R652	*E3	S6	C3
C204	*D2	C449	*E3	CL48	*B4	CN3	*D4	IC802	B4	R10	*B3	R207	*C2	R316	*E2	R481	*E3	R653	*A2	S200	E2
C205	*D2	C450	*E4	CL49	*B4	CN4	*C2	IC803	A3	R11	*B3	R208	*C2	R317	*B2	R482	*E3	R654	A2	S201	B4
C206	*C2	C451	E4	CL50	*C4	CN5	*A3	IC804	A4	R12	*B3	R209	*C2	R318	*B2	R483	*E3	R655	B4	S203	E1
C207	*D2	C452	*E4	CL51	*C4	CN6	*E1			R13	*B3	R210	*C2	R319	*B2	R484	*E3	R656	*A3	S401	E4
C208	D2	C453	*E4	CL52	*B4	CN8	*A3	L1	*C3	R14	*B3	R211	*C1	R320	*B2	R485	*E3	R657	D4	S402	E4
C209	C1	C454	*E4	CL53	*B4			L2	*B3	R15	*B3	R212	*C2	R321	*B2	R486	*E3	R658	*E4	S403	E3
C210	B1	C455	*E4	CL54	*C4	CV200	*C2	L3	*B4	R16	*B3	R213	C2	R322	*B2	R487	*E3	R659	D4	S404	E3
C211	*D1	C456	*E4	CL55	*B4			L200	B2	R17	*B3	R214	*D1	R323	*B2	R488	*E3	R660	*D3	S501	B3
C212	*E2	C457	E4	CL56	*C4	D1	B1	L300	*B2	R18	C3	R215	*D1	R324	*C1	R489	*E3	R661	*B2	S801	A3
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C214	*B1	C521	E4	CL58	*C4	D201	C1	L501	A2	R20	*B3	R217	*D3	R326	*C1	R491	*E3	R702	*D3	S803	C4
C215	B1	C601	*D3	CL59	*C4	D202	*C1	L601	*D4	R21	*B3	R218	*D2	R327	D4	R492	*E3	R703	*D3	S804	B4
C216	B1	C602	*D3	CL60	*C4	D203	B1	L701	B4	R22	*B3	R219	*C1	R328	C2	R493	*E3	R704	D3	S805	B4
C217	B1	C603	*D4	CL61	*C4	D204	*B1			R23	*A3	R220	*B1	R329	*C1	R494	*E3	R705	*D3	S806	A4
C218	*B1	C604	*D4	CL62	*B4	D205	*D2	LI300	D4	R24	*C3	R221	*B1	R330	*D2	R495	*E3	R706	*D3	S807	B3
C219	*B1	C605	*A2	CL63	*B4	D206	D3			R25	*B3	R222	*C1	R331	*D2	R496	*E3	R707	*D3	S808	B3
C220	D2	C606	*D4	CL64	*B4	D207	C2	ND200	C1	R26	*B3	R223	*B1	R332	*D2	R497	*E3	R708	*D3	S809	B3
C221	D2	C607	*D4	CL65	*B4	D208	C2			R27	*B3	R224	*B1	R333	B2	R498	*E3	R715	*C3	S810	B3
C222	*D3	C608	A2	CL201	*C4	D209	C1	PH401	*E2	R28	*B3	R225	*B1	R401	*E4	R499	*E3	R717	*D3	S811	*A4
C223	*D3	C609	*D4	CL202	*D4	D210	D1			R29	*B3	R226	*C1	R402	*E4	R500	*E3	R718	*D3		
C224	C2	C610	*D3	CL203	*E4	D211	D1	Q1	*B3	R30	*B3	R227	*C1	R404	*E4	R501	*E3	R719	*C3	SL2	*C4
C225	C2	C611	B2	CL204	*E4	D212	E1	Q2	*B3	R31	*B3	R228	*C1	R405	*E4	R502	*E3	R720	D3	SL901	*B1
C226	D2	C612	A1	CL205	*E4	D213	C2	Q3	*B3	R32	*B3	R229	*C1	R406	*E4	R503	*E3	R721	*D3	SL902	*E1
C227	*D2	C613	B2	CL206	*D4	D214	D2	Q4	*B3	R33	B3	R230	C2	R407	*E4	R504	*E3	R722	D3	SL903	*A1
C228	D2	C614	A1	CL207	*D4	D215	D2	Q5	*B3	R34	*B4	R231	*E2	R408	*E4	R505	E3	R728	D3	SL904	*B2
C229	*C2	C615	*A1	CL208	*D1	D216	E2	Q6	*C3	R35	B3	R232	*D1	R409	*E4	R506	*E4	R729	D3	SL907	*C4
C300	*B2	C616	A1	CL209	*C4	D217	*C1	Q7	*B3	R36	B3	R233	*D1	R412	*E4	R507	*E2	R730	D3		
C301	B2	C617	*A1	CL210	*C4	D300	*B1	Q8	*C2	R37	B4	R234	*D1	R413	*E4	R508	E4	R731	*D3	TP1	*B3
C302	*B1	C618	A2	CL211	*C4	D301	*A1	Q9	*A3	R38	B4	R235	*D2	R414	E4	R510	*E4	R733	D3	TP2	*A3
C303	*A1	C619	A2	CL212	*C4	D302	*B2	Q10	B3	R39	*B3	R236	*D1	R415	*E4	R512	*E4	R736	D3	TP200	*C1
C304	A1	C620	*A1	CL213	*C4	D303	B1	Q11	*B3	R40	*B3	R237	*E2	R416	*E4	R513	*E4	R738	D3	TP201	*D1
C305	B1	C621	*D4	CL214	*B4	D401	*E3	Q12	*B3	R41	*B3	R238	*E2	R417	*B4	R514	*E4	R740	*D3	TP401	*E3
C306	B2	C622	D4	CL215	*C4	D402	*E3	Q13	*A3	R42	*B3	R239	*E2	R418	*B4	R515	E4	R741	*D3	TP402	*E3
C307	B2	C623	B2	CL401	*B4	D501	*B2	Q201	C2	R43	*B3	R240	B1	R419	*B4	R516	*E4	R742	*D3	TP601	*D3
C308	*E2	C624	D4	CL402	*B4	D502	*D4	Q202	D2	R44	*B3	R241	B1	R420	*B4	R517	E4	R743	*D3	TP602	*D3
C309	B2	C625	B4	CL403	*B4	D503	*D4	Q203	*E1	R45	*A3	R242	B1	R421	*B4	R518	E4	R801	A3	TP603	*A1
C310	*B2	C706	D3	CL404	*B4	D504	*A2	Q204	*E1	R46	*A3	R243	B1	R423	*B4	R520	*E4	R802	A3		
C311	B2	C707	D3	CL405	*D4	D605	*B2	Q205	*C1	R47	*B3	R244	B1	R425	*E4	R521	*E4	R803	A3	X1	*B4
C312	B2	C718	D3	CL406	*D4	D703	D3	Q300	*B1	R48	*B3	R245	B1	R426	*E4	R522	*E4	R804	*E2	X2	*B3
C313	*B2	C719	D3	CL407	*D4	D704	D3	Q301	*B2	R49	*B3	R246	B1	R427	*E4	R523	*E4	R805	E2	X200	*D2
C314	*C1	C801	B4	CL408	*D4	D801	E1	Q302	B2	R50	*B3	R247	*B1	R428	*E4	R524	*E4	R806	E2	X201	*C2
C315	*A1	C802	A3	CL409	*D4			Q303	*B2	R51	B3	R248	*B1	R429	*B4	R601	*B2	R807	E2	X202	*B1
C316	*B1	C803	A3	CL410	*D4	E1	*C4	Q304	*B2	R52	*B3	R249	D2	R430	*E3	R602	*B2	R808	*E2		
C317	*A1	C804	A3	CL411	*E4	E2	*C4	Q305	*C2	R53	B3	R250	D2	R431	*B4	R603	*B2	R809	E1		
C318	*C1	C805	A3	CL412	*D4	E401	*E3	Q306	*B2	R54	*B3	R251	*D2	R432	*B4	R604	*B2	R810	E2		
C401	*E4	C806	E1	CL413	*D4	E501	*D4	Q307	*B2	R55	*A3	R252	*D3	R433	*B4	R605	*B2	R811	E1		
C402	*E4	C807	*E2	CL414	*D4			Q308	*C2	R56	B3	R253	*D3	R434	*B4	R606	*D3	R812	E1		
C403	*E4			CL415	*E4	F801	*E1	Q401	*E3	R57	*B3	R254	*D3	R435	*E4	R607	*D3				
C404	*E4	CL1	*D3	CL416	*E4			Q402	*E3	R58	*A3	R255	D3	R436	*E2	R608	*D3	RB1	C3		
C405	*E4	CL2	*D3	CL417	*B4	FB801	B4	Q403	*E3	R59	*A3	R256	*D3	R437	*E4	R609	*D3	RB2	*C3		



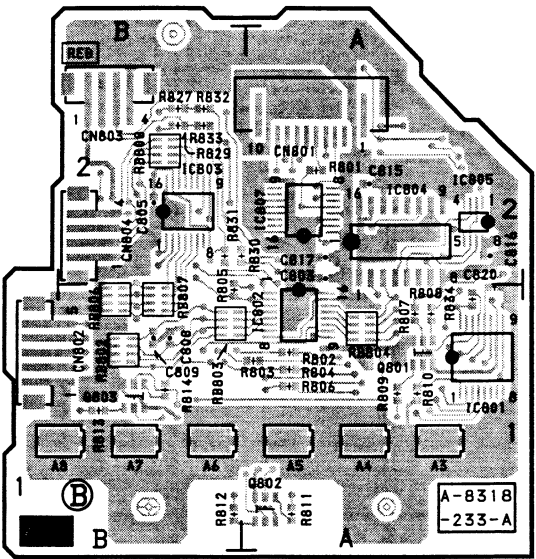
FP-118 -A SIDE-
SUFFIX: -11



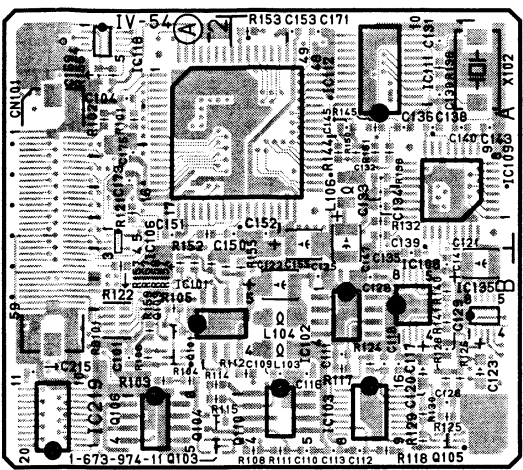
FP-118 -B SIDE-
SUFFIX: -11



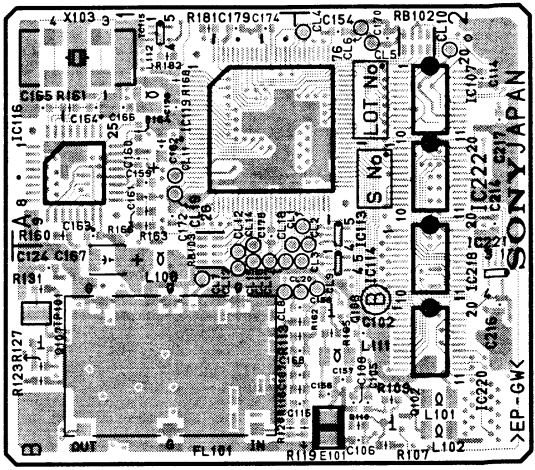
FP-99 -A SIDE-
SUFFIX: -11



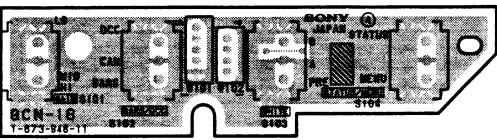
FP-99 -B SIDE-
SUFFIX: -11



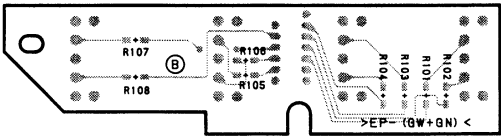
IV-54 -A SIDE-
SUFFIX: -11



IV-54 -B SIDE-
SUFFIX: -11



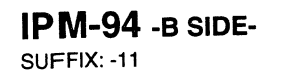
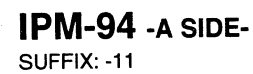
GCN-16 -A SIDE-
SUFFIX: -11



GCN-16 -B SIDE-
SUFFIX: -11

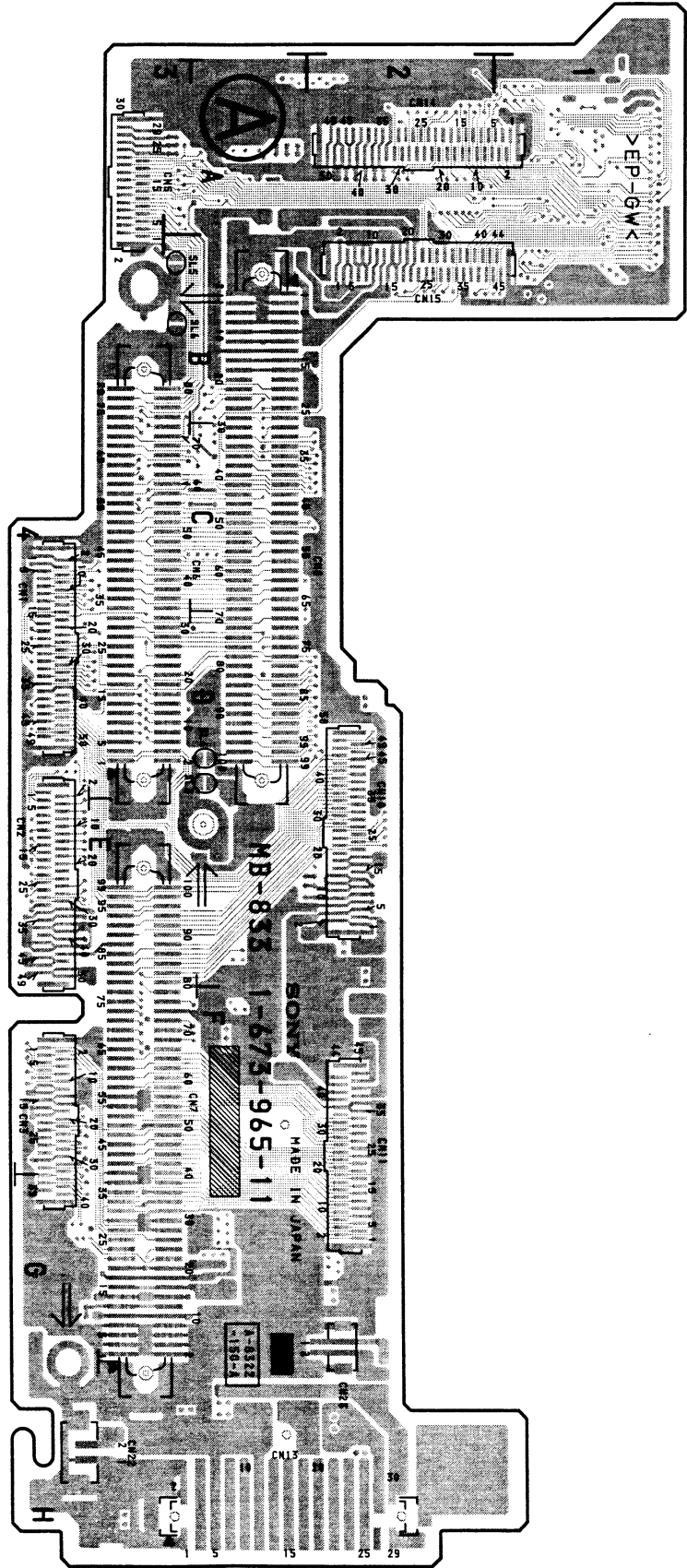
IV-54(1-673-974-11)

C101	B2	C136	A1	C174	*A1	E4	*B2	L111	*B2	R119	*B2	R162	*B2
C102	*B2	C138	A1	C175	A2			L112	*A1	R120	*B1	R163	*A1
C104	A2	C139	A1	C176	*A1	FL101	*B1			R121	A2	R164	*A1
C105	*B2	C140	A1	C178	*A1			Q101	B2	R122	B2	R165	*B2
C106	*B2	C141	B1	C179	*A1	IC101	B2	Q102	*B2	R123	*B1	R166	*A1
C107	*B2	C143	A1	C214	*A2	IC102	B1	Q103	B2	R124	B1	R167	B2
C108	*B2	C145	A1	C215	B2	IC103	B1	Q104	B2	R125	B1	R168	*A1
C109	B1	C147	A1	C216	*B2	IC106	A2	Q105	B1	R126	B1	R181	*A1
C110	B1	C150	A1	C217	*A2	IC107	*A2	Q106	B2	R127	*B1	R182	*A1
C111	B1	C151	A2			IC108	B1	Q107	*B1	R128	B1		
C112	B1	C152	A1	CL1	*A2	IC109	A1	Q108	*B2	R129	B1	RB101	B2
C113	B1	C153	A1	CL2	*B2	IC111	A1	Q109	B2	R130	B1	RB102	*A2
C114	*A2	C154	*A2	CL3	*B2	IC112	A1	Q110	B1	R131	*B1	RB103	*B1
C115	*B2	C155	A1	CL4	*A2	IC113	*A2			R132	A1		
C116	B1	C156	*B2	CL5	*A2	IC114	*B2	R101	A2	R136	A1	TP101	*B1
C117	B1	C157	*B2	CL6	*A2	IC115	*A1	R102	A2	R138	A1		
C118	B1	C158	*B2	CL7	*B1	IC116	*A1	R103	B2	R140	B1	X102	A1
C120	B1	C159	*A1	CL8	*B1	IC118	A2	R104	B2	R141	B1	X103	*A1
C121	B1	C160	*A1	CL9	*B2	IC119	*A1	R105	B2	R144	A1		
C122	B1	C161	*A1	CL10	*A2	IC135	B1	R106	B2	R145	A1		
C123	B1	C162	*A1	CL11	*A1	IC218	*A2	R107	*B2	R150	A1		
C124	*B1	C163	*A1	CL12	*B1	IC219	B2	R108	B1	R151	A1		
C125	B1	C164	*A1	CL13	*B1	IC220	*B2	R109	*B2	R152	A2		
C126	B1	C165	*A1	CL14	*B1	IC221	*B2	R110	*B2	R153	A1		
C128	B1	C166	*A1	CL15	*B1	IC222	*A2	R111	B1	R154	B2		
C129	B1	C167	*B1	CL16	*B1			R112	B1	R155	B1		
C130	A1	C168	*B2	CL17	*B1	L101	*B2	R113	*B2	R156	A2		
C131	A1	C169	A2	CL18	*B1	L102	*B2	R114	B2	R157	B2		
C132	A1	C170	*A2	CL19	*A1	L103	B1	R115	B2	R158	B2		
C133	A1	C171	A1	CL20	*B2	L104	B1	R116	*B2	R159	B2		
C134	A1	C172	*A1			L106	A1	R117	B1	R160	*A1		
C135	B1	C173	A2	CN101	A2	L108	*B1	R118	B1	R161	*A1		

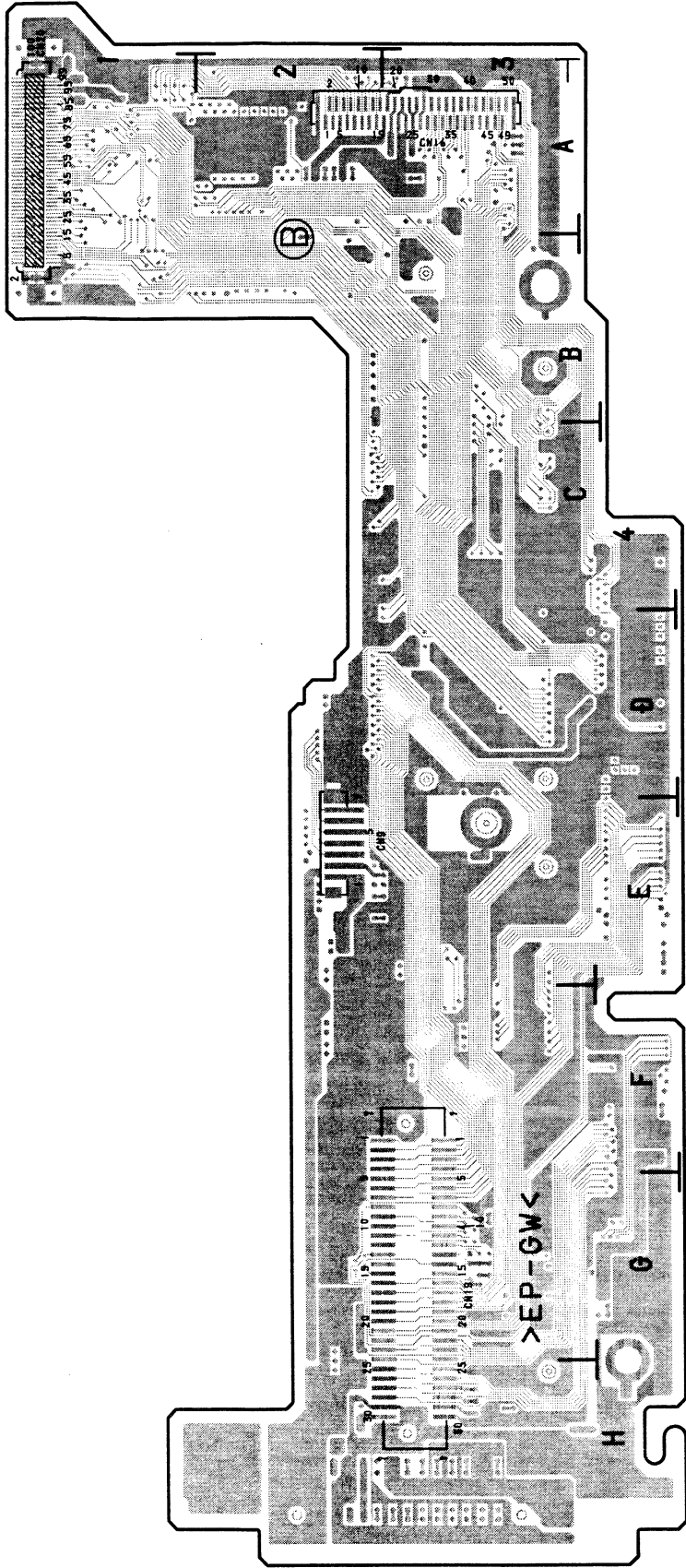


C101	*E1	C122	*D3	C144	*E2	C219	*C2	C311	*E4	E101	*E2	IC207	B3
C102	*E1	C123	*D3	C145	*F1	C221	C3	C313	F4	E102	*G2	IC208	*B3
C103	*E2	C124	*D3	C146	*F1	C222	C2	C314	*F4			IC209	C2
C104	*E1	C125	*D3	C147	*D3	C223	*C3	C315	*F4	IC101	F2	IC210	*C2
C105	*G2	C126	*D3	C148	*D1	C225	D2	C317	F5	IC102	*F2	IC211	C3
C106	*E2	C127	*D3	C149	*H1	C226	*D2	C318	F4	IC103	D3	IC212	*C3
C107	*F3	C128	D2	C150	*E1	C227	*D2	C319	*F5	IC105	*F2	IC213	D2
C108	*G3	C129	E2	C201	A2	C232	*E3	C321	F4	IC106	*E2	IC214	*D2
C109	*G3	C130	*F2	C202	*A2	C233	*E2	C322	*G4	IC108	*G3	IC215	*G2
C110	*G2	C131	E2	C203	*A2	C234	*E2	C323	*F4	IC109	*F3	IC301	D4
C111	G2	C132	G3	C205	A3	C235	*E2	C325	F5	IC110	*F3	IC302	*D4
C112	*G3	C133	*F2	C206	A2	C236	*E2	C326	G4	IC113	D1	IC303	D5
C113	G2	C134	E2	C207	*A3	C237	*G2	C327	*F5	IC114	*H1	IC304	*D5
C114	*H2	C135	*G3	C209	B2	C301	D4	C331	*F3	IC115	*E1	IC305	E4
C115	*G2	C136	*F2	C210	*B2	C302	*D4	C332	*F3	IC116	H1	IC306	*E4
C116	*G2	C137	*E3	C211	*B2	C303	*D4	C333	*F3	IC201	A2	IC307	F4
C117	*D1	C138	*F2	C213	B3	C305	D5	C334	*F3	IC202	*A2	IC308	*F4
C118	D1	C139	*E3	C214	B2	C306	D4	C335	*F3	IC203	A3	IC309	F5
C119	*D1	C141	G2	C215	*B3	C307	*D5			IC204	*A3	IC310	*F5
C120	*D1	C142	*G2	C217	C2	C309	E4	CN101	F1	IC205	B2	IC311	G4
C121	*D1	C143	*F2	C218	*C2	C310	*E4			IC206	*B2	IC312	*G4

*: B SIDE



MB-833 -A SIDE-
SUFFIX: -11

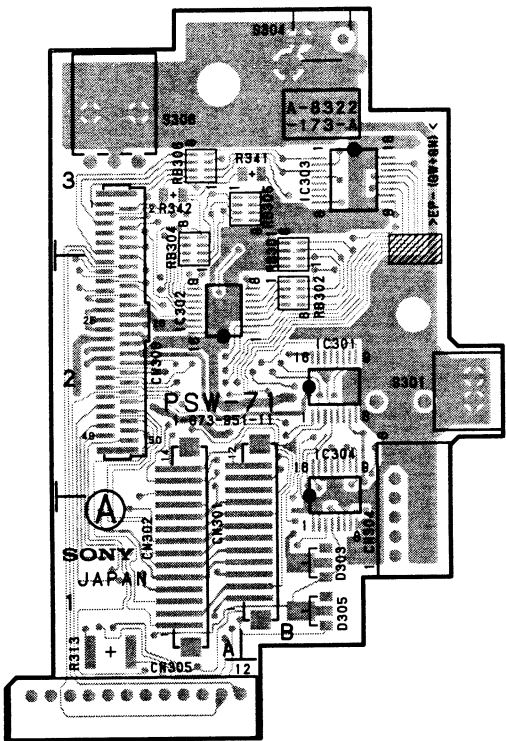


MB-833 -B SIDE-
SUFFIX: -11

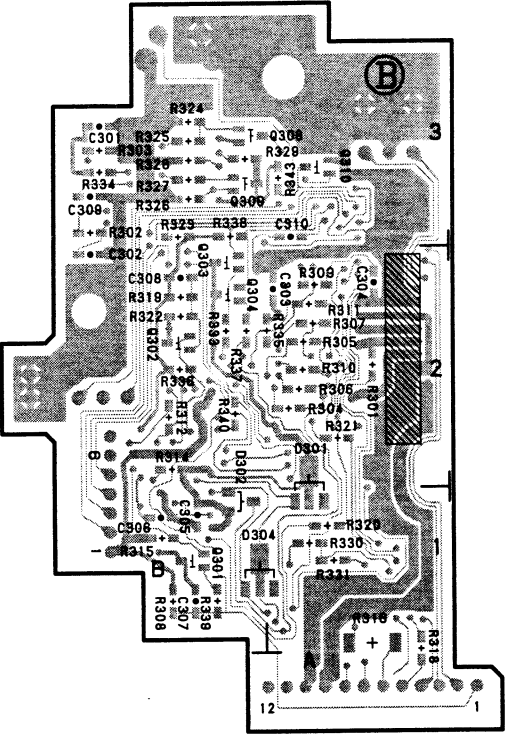
MB-833 (1-673-965-11)

CN1	D4
CN2	E4
CN3	F4
CN5	A4
CN6	C4
CN7	F4
CN8	C3
CN9	* E2
CN10	E2
CN11	F2
CN13	H3
CN14	A2
CN15	B2
CN16	* A3
CN19	* G3
CN20	* A1
CN22	H4
CN23	G2
SL3	D3
SL4	D3
SL5	B4
SL6	B4

*: B SIDE



PSW-71 -A SIDE-
SUFFIX: -11

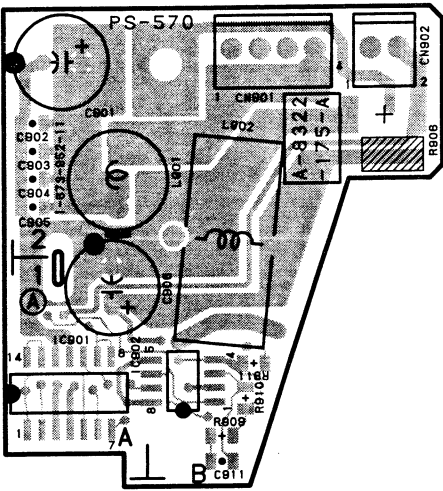


PSW-71 -B SIDE-
SUFFIX: -11

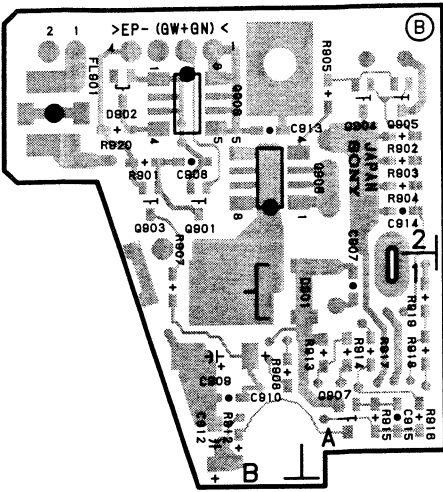
PSW-71 (1-673-951-11)

C301	*A3	Q308	*A3	R330	*A1
C302	*A2	Q309	*A3	R331	*A1
C303	*A2	Q310	*A3	R333	*A2
C304	*A2			R334	*A3
C305	*A1	R301	*A2	R335	*A2
C306	*A1	R302	*A3	R336	*A2
C307	*A1	R303	*A3	R337	*A2
C308	*A2	R304	*A2	R338	*A3
C309	*A3	R305	*A2	R339	*A1
C310	*A3	R306	*A2	R340	*A2
		R307	*A2	R341	B3
CN301	B1	R308	*A1	R342	A3
CN302	A1	R309	*A2	R343	*A3
CN304	B1	R310	*A2		
CN305	A1	R311	*A2	RB301	B2
CN306	A2	R312	*A2	RB302	B2
		R313	A1	RB304	A3
D301	*A2	R314	*A2	RB305	B3
D302	*A1	R315	*A1	RB306	A3
D303	B1	R316	*A1		
D304	*A1	R318	*A1	S301	B2
D305	B1	R319	*A2	S304	B3
		R320	*A1	S306	A3
IC301	B2	R321	*A2		
IC302	A2	R322	*A2		
IC303	B3	R323	*A3		
IC304	B1	R324	*A3		
		R325	*A3		
Q301	*A1	R326	*A3		
Q302	*A2	R327	*A3		
Q303	*A2	R328	*A3		
Q304	*A2	R329	*A3		

*: B SIDE



PS-570 -A SIDE-
SUFFIX: -11

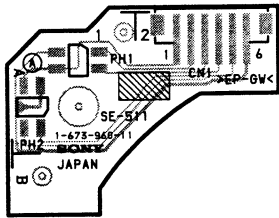


PS-570 -B SIDE-
SUFFIX: -11

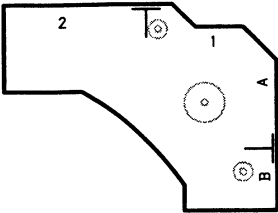
PS-570 (1-673-952-11)

C901	A2	C914	*A2	L901	A2	R903	*A2	R916	*A1
C902	A2	C915	*A1	L902	B2	R904	*A2	R917	*A1
C903	A2					R905	*A2	R918	*A1
C904	A2	CN901	B2	Q901	*A2	R906	B2	R919	*A1
C905	A2	CN902	B2	Q903	*A2	R907	*A1	R920	*A2
C906	A1			Q904	*A2	R908	*A1		
C907	*A1	D901	*A1	Q905	*A2	R909	B1		
C908	*A2	D902	*A2	Q906	*A2	R910	B1		
C909	*A1			Q907	*A1	R911	B1		
C910	*A1	FL901	*A2	Q908	*A2	R912	*A1		
C911	B1					R913	*A1		
C912	*A1	IC901	A1	R901	*A2	R914	*A1		
C913	*A2	IC902	B1	R902	*A2	R915	*A1		

*: B SIDE



SE-511 -A SIDE-
SUFFIX: -11

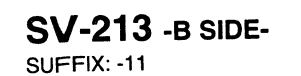
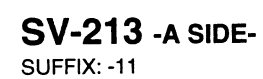


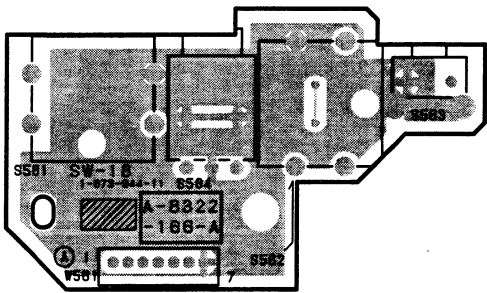
SE-511 -B SIDE-
SUFFIX: -11

SV-213 (1-673-983-11)

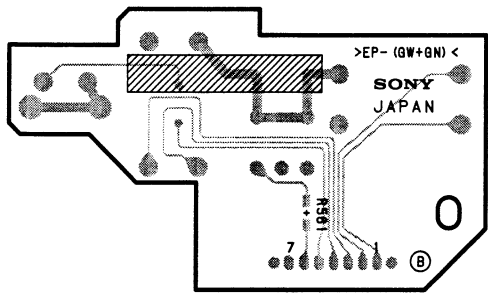
C1	C1	C504	D2	CL36	*B4	CL504	*D1	IC500	C2	R222	C2	R421	B3	R750	A2	TP302	A4
C2	A1	C505	D2	CL37	*B4	CL505	*D1	IC501	D3	R223	C2	R422	B2	R751	A2	TP304	A3
C3	A1	C506	D2	CL38	*B4	CL506	*D1	IC502	D3	R225	A2	R423	B3	R752	A1	TP400	C2
C4	A2	C507	D2	CL40	*B4	CL507	*D1	IC505	C1	R226	A2	R424	B3	R753	A1	TP401	C3
C5	C1	C508	D2	CL41	*B4	CL508	*D1	IC507	D3	R227	A2	R425	B3	R754	B1	TP501	D2
C6	B1	C509	D2	CL42	*B4	CL1001	*D1	IC508	D3	R228	A2	R426	C2	R759	B1	TP502	D2
C7	C1	C510	D2	CL43	*B4	CL1002	*D3	IC509	D3	R229	B2	R427	B3	R760	B1	TP503	C3
C8	C1	C512	D2	CL44	*B4	CL1003	*D3	IC510	D3	R230	B2	R428	B3	R761	B1	TP504	D2
C9	C1	C516	C4	CL45	*B4	CL1300	*A3	IC512	C4	R231	B2	R429	B2	R762	A2	TP505	D2
C10	C1	C517	C3	CL46	*B4	CL1301	*A3	IC702	B3	R232	B2	R430	B2	R763	A2	TP506	D2
C11	C1	C518	C4	CL47	*B4	CL1302	*A3	IC740	A1	R233	B2	R431	B3	R764	A2	TP507	A4
C13	D1	C520	C4	CL48	*B4	CL1304	*A3	IC741	A2	R234	B2	R432	B3	R765	A2	TP508	A4
C16	D1	C522	C4	CL49	*B4	CL1400	*C2	IC801	D4	R235	B2	R433	B3	R766	A2	TP509	C3
C17	D4	C524	D1	CL50	*B4	CL1401	*C3	IC802	D4	R236	B2	R434	B3	R767	A2	TP510	C3
C18	B1	C525	D1	CL51	*B4	CL1502	*D2	IC901	A2	R238	A3	R436	B3	R768	A2	TP701	B1
C200	D4	C526	C1	CL52	*B4	CL1503	*C4	IC902	A2	R239	A3	R437	B3	R769	A1	TP704	B1
C201	D4	C527	C2	CL56	*B4	CL1504	*D2	IC903	A1	R241	A3	R438	B3	R770	A1		
C202	D4	C528	C2	CL57	*B4	CL1505	*D2	IC904	A2	R242	A3	R439	B3	R771	B2	X500	C2
C203	C2	C529	C2	CL60	*B4	CL1506	*C2			R244	A2	R440	B3	R772	B2		
C204	B2	C530	C2	CL64	*B4	CL1507	*A4	L500	C4	R245	A2	R441	B3	R773	B2		
C205	A2	C531	C2	CL65	*B4	CL1508	*A4	L501	C4	R246	A2	R442	B1	R774	B2		
C206	A2	C533	D3	CL67	*B4	CL1509	*C3	L502	C4	R247	A2	R443	C1	R775	B2		
C207	A3	C534	D3	CL68	*B4	CL1510	*C3	L700	B1	R248	A3	R444	C1	R776	B2		
C208	A2	C535	C3	CL69	*B4	CL1901	*C1	L740	B1	R249	A3	R445	C1	R777	B2		
C209	A2	C537	C4	CL71	*B4	CL1902	*D4	L741	B2	R250	A3	R501	C1	R778	B2		
C210	D1	C538	D3	CL72	*B4	CL1903	*D4			R251	A3	R502	C2	R801	D4		
C211	A2	C539	D3	CL73	*B4			LND1	D1	R252	A3	R503	C2	R802	C4		
C212	A3	C700	A2	CL74	*B4	CN500	*B4			R253	A3	R504	D2	R805	D4		
C300	A4	C701	A1	CL75	*B4	CN501	C4	Q700	A1	R254	A3	R505	C2	R806	D3		
C301	A4	C702	A1	CL77	*B4	CN502	C4	Q701	B3	R255	A3	R513	C1	R810	D3		
C302	A4	C705	B1	CL80	*B4	CN504	C1	Q740	B1	R300	A4	R514	C2	R811	C3		
C303	A4	C706	B1	CL104	*C4	CN505	D1	Q745	B2	R301	A4	R515	C1	R812	C3		
C304	A4	C707	B1	CL105	*C4			Q748	B2	R302	A4	R516	C1	R813	D3		
C305	A4	C740	A1	CL107	*C4	D1	B1	Q749	C2	R303	A4	R517	C4	R814	D4		
C306	A4	C741	A2	CL108	*C4	D2	B1	Q802	D3	R304	A4	R518	C3	R818	C3		
C309	A4	C742	A2	CL109	*C4	D300	A3	Q803	C3	R305	A4	R519	C1	R820	C3		
C310	B4	C746	B1	CL110	*C4	D302	B2	Q804	C3	R306	A3	R520	C1	R822	C3		
C311	B4	C747	B1	CL111	*C4	D303	B2	Q805	C3	R307	A3	R521	C2	R824	C3		
C312	C4	C748	B3	CL112	*C4	D400	A4	Q806	C4	R308	A3	R522	C2	R901	A1		
C313	C4	C749	A2	CL113	*C4	D401	B2	Q901	A1	R309	A4	R523	C2	R902	A2		
C314	B2	C750	A2	CL114	*C4	D402	B2			R310	A4	R524	C2	R903	A2		
C315	B2	C754	B2	CL115	*C4	D500	C3	R1	C1	R311	A3	R525	C2	R904	A2		
C317	B2	C755	B2	CL116	*C4	D501	C3	R3	C1	R312	A3	R526	C2	R905	A2		
C318	B2	C756	B2	CL117	*C4	D502	D2	R4	C1	R313	A3	R529	D2	R906	A2		
C319	B3	C757	A1	CL118	*C4	D503	D2	R5	C1	R314	A4	R533	B4	R907	A2		
C320	B3	C758	A2	CL119	*C4	D506	C1	R6	D1	R315	A4	R534	B4	R908	A2		
C321	B3	C759	B1	CL120	*C4	D507	D1	R7	D1	R316	A4	R535	B4	R909	B2		
C322	B3	C760	B2	CL201	*B4	D508	D1	R8	D1	R317	A4	R536	D4	R910	B2		
C323	B3	C761	A2	CL202	*B4	D701	C3	R10	D4	R318	D1	R537	D4	R911	B2		
C324	A4	C801	D3	CL203	*B4	D702	C3	R11	D4	R323	A4	R540	D4	R912	B2		
C325	A3	C802	D3	CL204	*B4	D801	D4	R12	D4	R324	A4	R541	B4	R913	B1		
C326	D1	C901	A2	CL205	*B4	D802	D4	R13	D4	R325	A3	R542	B4	R914	B1		
C327	D1	C902	A2	CL206	*B4	D803	D4	R14	D4	R326	A3	R543	B4	R915	B1		
C328	B4	C903	A2	CL207	*B4	D804	D4	R16	D4	R327	A3	R544	C4	R916	B2		
C329	A2	C904	A1	CL208	*B4	D805	D4	R17	D4	R328	B4	R545	C4	R917	A1		
C331	A4	C905	A2	CL209	*B4	D806	D4	R18	D4	R329	B4	R546	D3	R918	B2		
C332	A4	C906	A2	CL210	*B4	D807	D4	R19	D4	R330	A2	R547	D3	R919	A1		
C333	A3	C907	A2	CL211	*B4	D808	D4	R20	D4	R331	C3	R548	D3	R921	A1		
C334	A4	C908	B1	CL212	*B4	D809	D4	R21	D1	R332	C2	R549	D3	R922	A1		
C400	B4	C909	A1	CL213	*B4	D810	D4	R27	C1	R333	B2	R550	D3	R923	B2		
C401	A4	C910	A2	CL214	*B4	D811	D4	R28	C1	R337	B2	R551	D3				
C402	A4	C911	A1	CL218	*B4	D812	D4	R29	C2	R339	B2	R552	D3	RB500	C3		
C403	A4	C912	A2	CL219	*B4	D813	D4	R30	A1	R340	B2	R553	C2	RB501	D2		
C404	B4			CL220	*C4	D814	D4	R31	A2	R341	B2	R555	C2	RB502	D3		
C405	A4	CL2	*A4	CL221	*C4	D815	D4	R32	B1	R342	B2	R556	C2	RB503	D3		
C406	A4	CL3	*A4	CL222	*C4	D816	D4	R33	B1	R343	B2	R557	D3	RB504	D3		
C407	B2	CL4	*A4	CL223	*C4	D901	A1	R34	B1	R344	B3	R558	C2	RB506	C2		
C408	B3	CL5	*A4	CL224	*C4			R35	B1	R345	B3	R559	C2	RB507	C2		
C409	B3	CL6	*A4	CL225	*C4	E1	B4	R36	B1	R346	B3	R700	A1	RB508	C2		
C410	B3	CL8	*A4	CL233	*C4	E2	B4	R37	C1	R347	B3	R701	A1	RB510	D4		
C411	B3	CL9	*A4	CL236	*C3	E3	B1	R38	B1	R348	C3	R702	A2	RB511	D3		
C412	B3	CL10	*A4	CL238	*C4			R39	C1	R349	C2	R703	A2	RB512	D3		
C413	B3	CL11	*A4	CL243	*C4	IC1	C1	R40	C1	R400	B4	R704	A1	RB513	C3		
C414	B3	CL12	*A4	CL244	*C4	IC2	C1	R41	C1	R401	B4	R705	A1	RB514	C3		
C415	B3	CL13	*A4	CL246	*C4	IC3	D4	R42	C1	R402	A4	R706	A1	RB515	D2		
C416	B3	CL14	*A4	CL248	*C4	IC5	B1	R43	C1	R403	A4	R707	A1	RB516	D2		
C417	B3	CL15	*A4	CL250	*C4	IC6	D1	R44	C1	R404	A4	R708	A1	RB801	C4		
C418	B3	CL16	*A4	CL401	*C1	IC200	B2	R45	C1	R405	A4	R709	B1	RB802	D4		
C419	B3	CL17	*A4	CL402	*C1	IC201	A3	R46	D1	R406	A4	R710	C3	RB803	D3		
C420	B3	CL18	*B4	CL403	*C1	IC204	A2	R47	D4	R407	A4	R711	C3	RB804	D4		
C421	B3	CL19	*B4	CL405	*C1	IC300	B3	R48	D4	R408	A4	R714	B1	RB805	D3		
C422	B3	CL20	*B4	CL406	*C1	IC301	A4	R49	C2	R409	C2	R715	B1	RB806	D4		
C423	B3	CL21	*B4	CL407	*C1	IC302	A3	R203	D4	R410	B4	R716	B1	RB808	D4		
C424	B3	CL22	*D2	CL409	*C1	IC303	D1	R204	D4	R411	B4	R740	A1	RB810	C3		
C425	B3	CL23	*B4	CL410	*C1	IC304	D1	R205	D4	R412	B4	R741	A1	RB811	C3		
C426	B4	CL24	*B4	CL411	*C1	IC305	A4	R206	D4	R413	B4	R742	A1				
C427	A4	CL25	*B4	CL412	*C1	IC306	B4	R207	D4	R414	B4	R743	A1	S500	D2		
C428	B2	CL26	*B4	CL413	*C1	IC307	A2	R208	D4	R415	A4	R744	A1				
C429	B4	CL29	*B4	CL415	*C1	IC309	A4	R209	D4	R416	A4	R745	A2	TP1	C1		
C500	D2	CL31	*B4	CL416	*C1	IC400	B3	R210	D4	R417	A4	R746	A2	TP2	D2		
C501	D2	CL32	*B4	CL417	*C1	IC401	B4	R211	D4	R418	C3	R747	A2	TP3	D2		
C502	D2	CL33	*B4	CL418	*C1	IC402	A4	R219	B2	R419	B2	R748	A2	TP300	A3		
C503	D2	CL35	*B4	CL503	*D1	IC403	B2	R220	B2	R420	B3	R749	A2	TP301	A3		

*: B SIDE

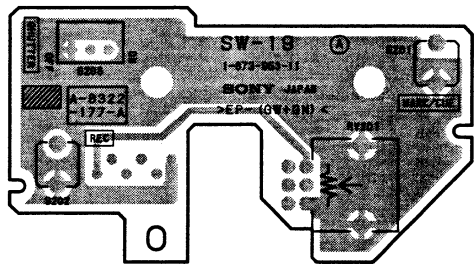




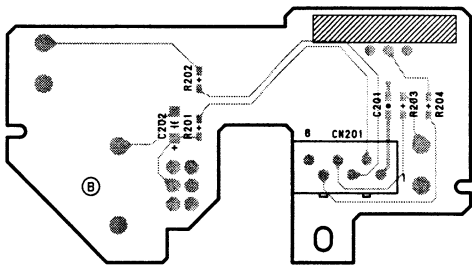
SW-18 -A SIDE-
SUFFIX: -11



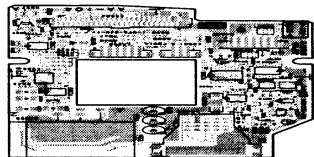
SW-18 -B SIDE-
SUFFIX: -11



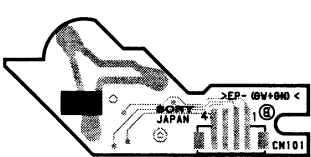
SW-19 -A SIDE-
SUFFIX: -11



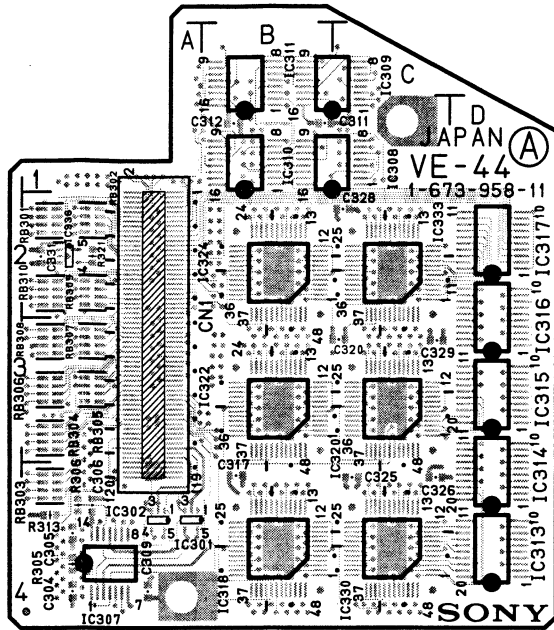
SW-19 -B SIDE-
SUFFIX: -11



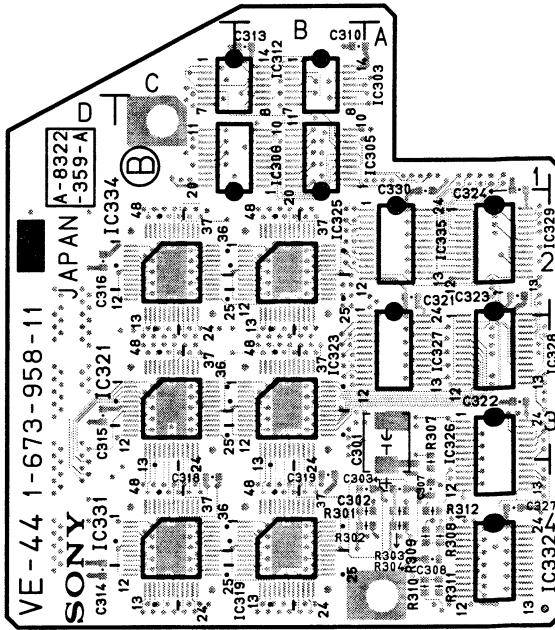
SW-929 -A SIDE-
SUFFIX: -12



SW-929 -B SIDE-
SUFFIX: -12



VE-44 -A SIDE-
SUFFIX: -11



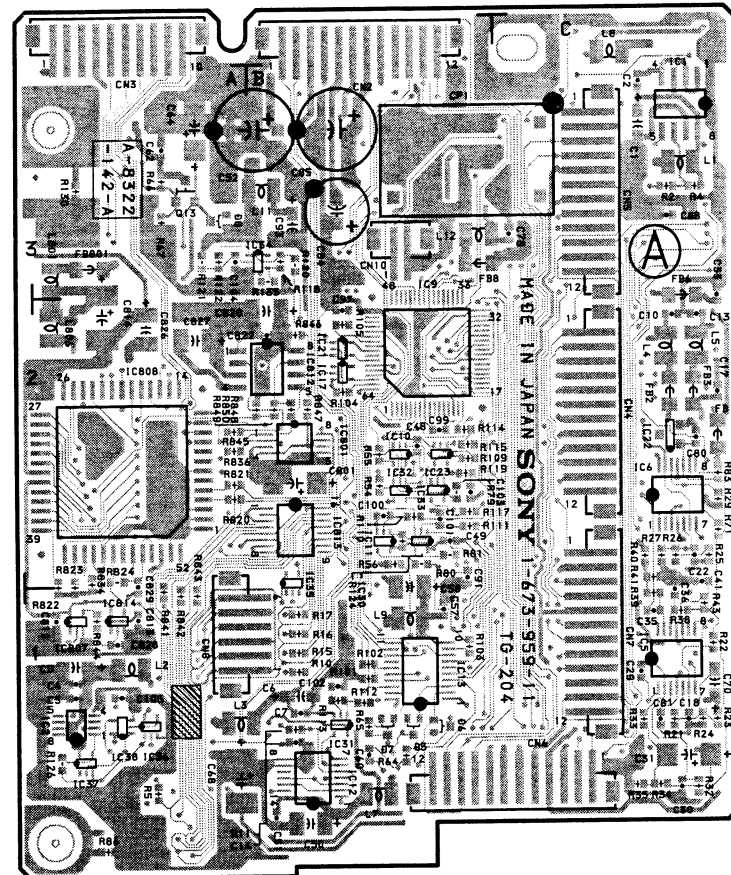
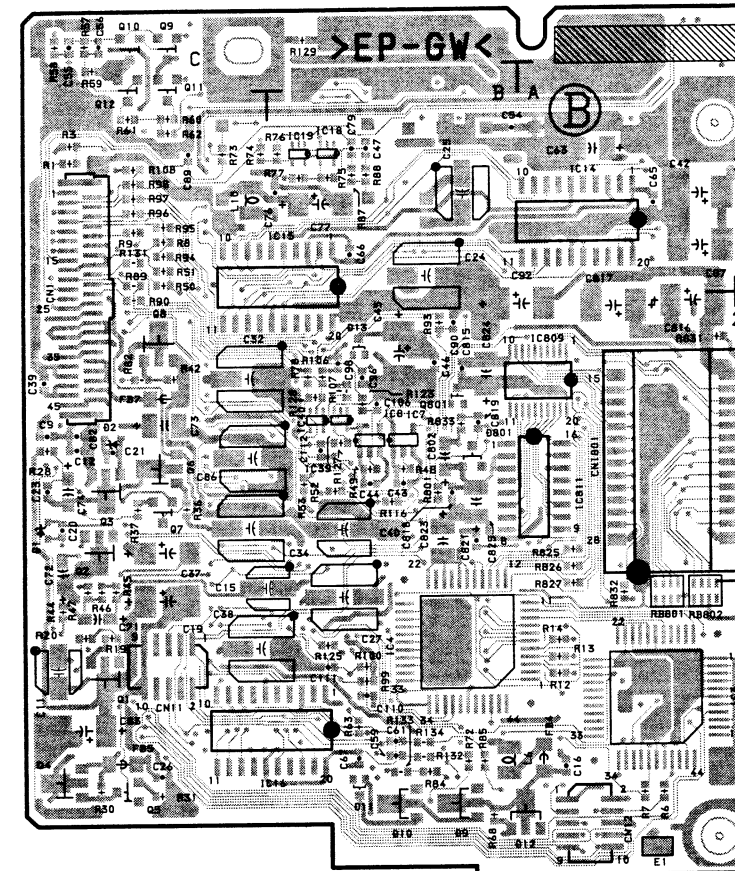
VE-44 -B SIDE-
SUFFIX: -11

VE-44 (1-673-958-11)

C301	*A3	C322	*A3	IC310	B1	IC331	*C4	RB301	A2
C302	*A4	C323	*A2	IC311	B1	IC332	*A4	RB302	A2
C303	*A4	C324	*A1	IC312	*C1	IC333	C2	RB303	A4
C304	A4	C325	C4	IC313	D4	IC334	*C2	RB304	A3
C305	A4	C326	C4	IC314	D4	IC335	*A2	RB305	A3
C306	A4	C327	*A4	IC315	D3	IC336	A2	RB306	A3
C307	*A4	C328	C2	IC316	D3			RB307	A3
C308	*A4	C329	C3	IC317	D2	R301	*A4	RB308	A3
C309	A4	C330	*A1	IC318	B4	R302	*A4	RB309	A2
C310	*B1	C331	A2	IC319	*B4	R303	*A4	RB310	A2
C311	B1			IC320	C3	R304	*A4		
C312	B1	CN1	A3	IC321	*C3	R305	A4		
C313	*B1			IC322	B3	R306	A4		
C314	*D4	IC301	A4	IC323	*B3	R307	*A4		
C315	*D3	IC302	A4	IC324	B2	R308	*A4		
C316	*D2	IC303	*B1	IC325	*B2	R309	*A4		
C317	B4	IC305	*B1	IC326	*A3	R310	*A4		
C318	*C4	IC306	*B1	IC327	*A2	R311	*A4		
C319	*B4	IC307	A4	IC328	*A2	R312	*A4		
C320	C3	IC308	C1	IC329	*A2	R313	A4		
C321	*A2	IC309	C1	IC330	C4	R321	A2		

TG-204(1-673-959-11)

C1	C3	C101	B2	Q1	*C1
C2	C3	C102	B1	Q2	*C2
C3	A1	C103	B2	Q3	*C2
C4	A1	C104	A3	Q4	*C1
C5	A1	C105	A1	Q5	*C1
C6	B1	C106	*B2	Q6	*C2
C7	B1	C110	*B1	Q7	*C2
C9	*C2	C111	*B1	Q8	*C2
C10	*C2	C112	*B2	Q9	*C3
C11	*C1			Q10	*C3
C12	*C2	CN1	*C2	Q11	*C3
C13	C2	CN2	B3	Q12	*C3
C14	B1	CN3	A3	Q13	A3
C15	*C1	CN4	C2		
C16	*A1	CN5	C3	R1	*C3
C17	C2	CN6	C1	R2	*C3
C18	C1	CN7	C1	R3	*C3
C19	*C1	CN8	A1	R4	C3
C20	*C2	CN10	B3	R5	A1
C21	*C2	CN11	*C1	R6	*A1
C22	C2	CN12	*A1	R7	*A1
C23	*C2			R8	*C3
C24	*B3	CP1	C3	R9	*C3
C25	*B3			R10	B1
C26	*C1	D1	*C2	R11	B1
C27	*B1	D2	*C2	R12	*A1
C29	C1	D5	B1	R13	*A1
C30	C1	D6	B1	R14	*A1
C31	C1	D7	B1	R15	B1
C32	*C2	D8	A3	R16	B1
C33	C2	D9	*B1	R17	B1
C34	*C2	D10	*B1	R19	*C1
C35	C1	D11	*B1	R20	*C1
C36	C1	D12	*A1	R21	C1
C37	*C2	D13	*B2	R22	C1
C38	*C1			R23	C1
C39	*C2	E1	*A1	R24	C1
C40	*B2			R25	C3
C41	C1	FB1	C2	R26	*C2
C42	*A3	FB2	C2	R27	*C2
C43	*B2	FB3	C2	R28	*C2
C44	*B2	FB4	*A1	R29	*C1
C45	*B2	FB5	*C1	R30	*C1
C46	*B2	FB6	C2	R31	*C1
C47	*B3	FB7	*C2	R32	C1
C48	B2	FB8	B3	R33	C1
C49	B2			R34	C1
C50	B1	IC1	C3	R35	C1
C51	B1	IC2	A1	R36	*C2
C52	B3	IC3	*A1	R37	*C2
C54	*B3	IC4	*B1	R38	*C1
C55	*C3	IC5	C1	R39	C1
C56	*C3	IC6	C2	R40	C2
C57	B1	IC7	*B2	R41	C2
C58	B1	IC8	*B2	R42	*C2
C59	*B1	IC9	B2	R43	C1
C60	B1	IC10	B2	R44	*C1
C61	*B1	IC11	B2	R45	*C1
C62	A3	IC12	B1	R46	*C1
C63	*A3	IC13	B1	R47	*C1
C64	A3	IC14	*A3	R48	*B2
C65	*A3	IC15	*B3	R49	*B2
C66	*B3	IC16	*B1	R50	*C3
C67	*B1	IC17	B2	R51	*C3
C68	A1	IC18	*B3	R52	*B2
C70	C1	IC19	*B3	R53	*B2
C71	*C1	IC21	B2	R54	B2
C72	*C2	IC22	C2	R55	B2
C73	*C2	IC23	B2	R56	B2
C74	*C2	IC30	B2	R57	*C3
C76	*B3	IC31	B1	R58	*C3
C77	*B3	IC32	B2	R59	*C3
C78	C3	IC33	B2	R60	*C3
C79	*B3	IC34	B3	R61	*C3
C80	C2	IC35	B2	R62	*C3
C81	C1	IC36	A1	R63	*B1
C82	*C2	IC37	A1	R64	B1
C83	*C1	IC38	A1	R65	B1
C84	B3	IC39	*B2	R66	A3
C85	B3	IC40	*B2	R67	A3
C86	*C2			R68	*B1
C87	*A3	L1	C3	R71	C2
C88	C3	L2	A1	R72	*B1
C89	*C3	L3	A1	R73	*C3
C90	*B2	L4	C2	R74	*C3
C91	B2	L5	C2	R75	*B3
C92	*A2	L6	*B1	R76	*B3
C93	B3	L7	B1	R77	*B3
C96	*B2	L8	C3	R78	*B2
C97	B2	L9	B1	R79	B2
C98	*B2	L10	*C3	R80	B2
C99	B2	L11	B3	R81	B2
C100	B2	L12	B3	R82	*C2

TG-204 -A SIDE-
SUFFIX: -11TG-204 -B SIDE-
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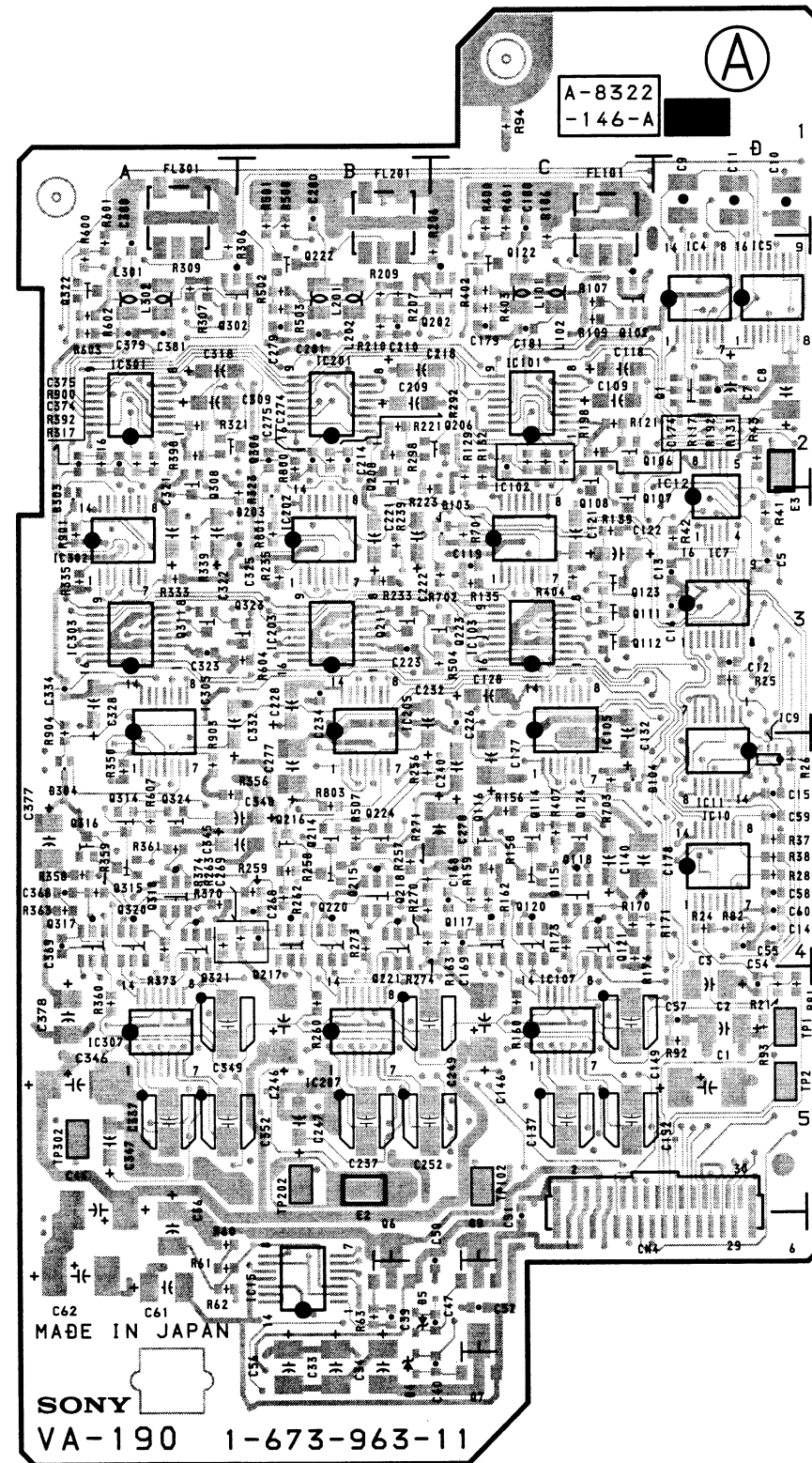
R83	C2
R84	*B1
R85	*B1
R86	A1
R87	*B3
R88	*B3
R89	*C3
R90	*C2
R93	*B2
R94	*C3
R95	*C3
R96	*C3
R97	*C3
R98	*C3
R99	*B1
R100	*B1
R101	B1
R102	B1
R103	B1
R104	B2
R105	B2
R106	*B2
R107	*B2
R108	*C3
R109	B2
R110	B2
R111	B2
R112	B1
R113	B1
R114	B2
R115	B2
R116	*B2
R117	B2
R118	B3
R119	B2
R120	B3
R121	A3
R122	A3
R123	*B2
R124	B2
R125	*B1
R126	A1
R127	*B2
R128	*B2
R129	*B3
R130	A3
R131	*C3
R132	*B1
R133	*B1
R134	*B1
R135	B3

*: B SIDE

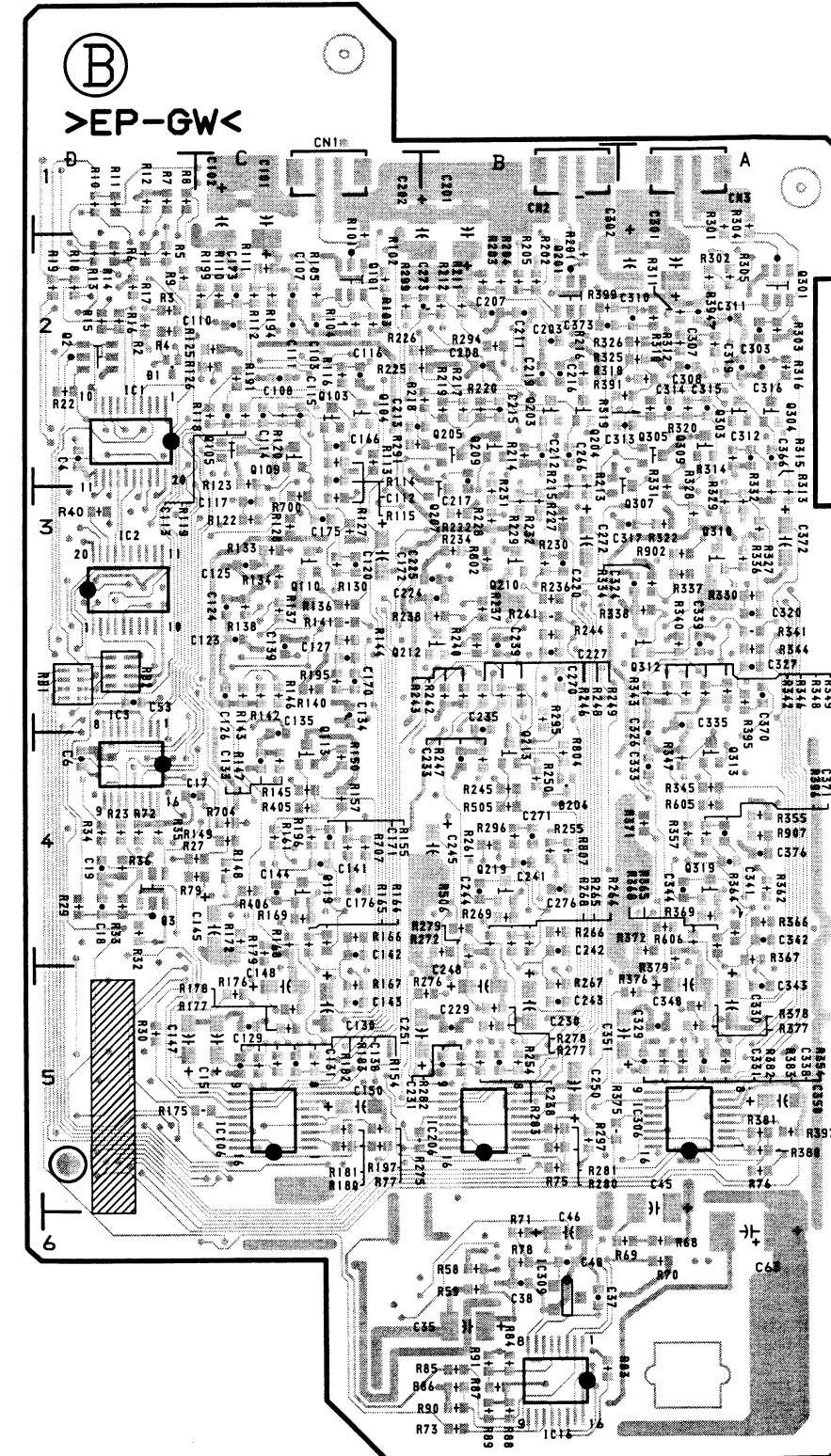
VA-190 (1-673-963-11)

C1	D5	C166	* C2	C318	A2	IC205	B3	Q322	A2	R121	C2	R229	* B3	R336	* A3	R904	A3
C2	D5	C168	C4	C319	* A2	IC206	* B5	Q323	B3	R122	* C3	R230	* B3	R337	* A3	R907	* A4
C3	D5	C169	C4	C320	* A3	IC207	B5	Q324	A4	R123	* C2	R231	* B3	R338	* A3		
C4	* D2	C170	* C3	C321	A3	IC301	A2			R125	* C2	R232	* B3	R339	A3	RB1	* D3
C5	D3	C171	* C4	C322	A3	IC302	A3	R2	* D2	R126	* C2	R233	B3	R340	* A3	RB2	* D3
C6	* D4	C172	* C3	C323	A3	IC303	A3	R3	* D2	R127	* C3	R234	* B3	R341	* A3		
C7	D2	C173	* C2	C324	* A3	IC305	A3	R4	* D2	R128	* C3	R235	B3	R342	* A3	TP1	D5
C8	D2	C174	C2	C325	B3	IC306	* A5	R5	* D2	R129	C2	R236	* B3	R343	* A3	TP2	D5
C9	D1	C175	* C3	C326	* A4	IC307	A5	R6	* D2	R130	* C3	R237	* B3	R344	* A3	TP102	C5
C10	D1	C176	* C4	C327	* A3	IC309	* B6	R7	* D1	R131	C2	R238	* B3	R345	* A4	TP202	B5
C11	D1	C177	C4	C328	A3			R8	* D1	R132	C2	R239	B3	R346	* A3	TP302	A5
C12	D3	C178	C4	C329	* A5	L101	C2	R9	* D2	R133	* C3	R240	* B3	R347	* A4		
C13	D3	C179	C2	C330	* A5	L102	C2	R10	* D1	R134	* C3	R241	* B3	R348	* A3		
C14	D4	C180	C1	C331	* A5	L201	B2	R11	* D1	R135	C3	R242	* B3	R349	* A3		
C15	D4	C181	C2	C332	A3	L202	B2	R12	* D1	R136	* C3	R243	* B3	R350	A4		
C17	* D4	C19	* D4	C333	* A4	L301	A2	R13	* D2	R137	* C3	R244	* B3	R354	* A5		
C18	* D4	C201	* B2	C334	A3	L302	A2	R14	* D2	R138	* C3	R245	* B4	R355	* A4		
C33	B6	C202	* B2	C335	* A3			R15	* D2	R139	C3	R246	* B3	R356	A4		
C34	B6	C203	* B2	C337	A5	Q1	D2	R16	* D2	R140	* C3	R247	* B4	R357	* A4		
C35	* B6	C207	* B2	C338	* A5	Q2	* D2	R17	* D2	R141	* C3	R248	* B3	R358	A4		
C36	A6	C208	* B2	C339	* A3	Q3	* D4	R18	* D2	R142	* C3	R249	* B3	R359	A4		
C37	* B6	C209	B2	C340	B4	Q6	B6	R19	* D2	R143	* C3	R250	* B4	R360	A5		
C38	* B6	C210	B2	C341	* A4	Q7	C6	R21	D5	R144	* C3	R254	* B5	R361	A4		
C39	B6	C211	* B2	C342	* A4	Q9	C6	R22	* D2	R145	* C4	R255	* B4	R362	* A4		
C40	C6	C212	* B2	C343	* A5	Q101	* C2	R23	* D4	R146	* C3	R256	B4	R363	A4		
C44	A5	C213	* C2	C344	* A4	Q102	C2	R24	D4	R147	* C4	R257	B4	R364	* A4		
C45	* A5	C214	B2	C345	B4	Q103	* C2	R25	D3	R148	* C4	R258	B4	R365	* A4		
C46	* B6	C215	* B2	C346	A5	Q104	* C2	R26	D4	R149	* C4	R259	B4	R366	* A4		
C47	C6	C216	* B2	C347	A5	Q105	* C2	R27	* C4	R150	* C4	R260	B5	R367	* A4		
C48	* B6	C217	* B2	C348	* A5	Q106	C2	R28	D4	R154	* C5	R261	* B4	R368	* A4		
C50	C6	C218	B2	C349	A5	Q107	C3	R29	* D4	R155	* C4	R262	B4	R369	* A4		
C51	C6	C219	* B2	C350	* A5	Q108	C2	R30	* D5	R156	C4	R263	B4	R370	A4		
C52	C6	C220	* B3	C351	* A5	Q109	* C2	R32	* D4	R157	* C4	R264	* B4	R371	* A4		
C53	* D3	C221	B3	C352	A5	Q110	* C3	R33	* D4	R158	C4	R265	* B4	R372	* A4		
C54	D5	C222	B3	C366	* A2	Q111	C3	R34	* D4	R159	C4	R266	* B4	R373	A4		
C55	D4	C223	B3	C368	A4	Q112	C3	R35	* D4	R160	C5	R267	* B5	R374	A4		
C56	B6	C224	* B3	C369	A4	Q113	* C4	R36	* D4	R161	* C4	R268	* B4	R375	* B5		
C57	D5	C225	* B3	C370	* A3	Q114	C4	R37	D4	R162	C4	R269	* B4	R376	* A5		
C58	D4	C226	C3	C371	* A4	Q115	C4	R38	D4	R163	C4	R270	B4	R377	* A5		
C59	D4	C227	* B3	C372	* A3	Q116	C4	R40	* D3	R164	* C4	R271	B4	R378	* A5		
C60	D4	C228	B3	C373	* B2	Q117	C4	R41	D3	R165	* C4	R272	* B4	R379	* A4		
C61	A6	C229	* B5	C374	A2	Q118	C4	R42	D3	R166	* C4	R273	B4	R380	* A5		
C62	A6	C230	* B5	C375	A2	Q119	* C4	R43	D2	R167	* C5	R274	B4	R381	* A5		
C63	* A6	C231	* B5	C376	* A4	Q120	C4	R58	* B6	R168	* C4	R275	* C5	R382	* A5		
C101	* C1	C232	B3	C377	A4	Q121	C4	R59	* B6	R169	* C4	R276	* B5	R383	* A5		
C102	* C1	C233	* B4	C378	A5	Q122	C2	R60	A6	R170	C4	R277	* B5	R391	* A2		
C103	* C2	C234	B3	C379	A2	Q123	C3	R61	A6	R171	C4	R278	* B5	R392	A2		
C107	* C2	C235	* B3	C380	A2	Q124	C4	R62	A6	R172	* C4	R279	* B4	R394	* A2		
C108	* C2	C237	B5	C381	A2	Q201	* B2	R63	B6	R173	C4	R280	* B5	R395	* A3		
C109	C2	C238	* B5			Q202	C2	R68	* A6	R174	C4	R281	* B5	R396	* A4		
C110	* C2	C239	* B3	CN1	* C1	Q203	* B2	R69	* A6	R175	* C5	R282	* B5	R397	* A5		
C111	* C2	C240	C4	CN2	* B1	Q204	* B2	R70	* A6	R176	* C5	R283	* B5	R398	A2		
C112	* C2	C241	* B4	CN3	* A1	Q205	* B2	R71	* B6	R177	* C5	R291	* C2	R399	* B2		
C113	* C2	C242	* B4	CN4	C5	Q206	C2	R72	* D4	R178	* C5	R292	B2	R400	C1		
C114	* C2	C243	* B5			Q207	* B3	R73	* B6	R179	* C4	R294	* B2	R401	C1		
C115	* C2	C244	* B4	D1	* D2	Q208	B2	R75	* B5	R180	* C5	R295	* B3	R402	C2		
C116	* C2	C245	* B4	D4	B6	Q209	* B2	R76	* A5	R181	* C5	R296	* B4	R403	C2		
C117	* C3	C246	B5	D5	B6	Q210	* B3	R77	* C5	R182	* C5	R297	* B5	R404	C3		
C118	C2	C247	B5	D103	C3	Q211	B3	R78	* B6	R183	* C5	R298	B2	R405	* C4		
C119	C3	C248	* B5	D104	C4	Q212	* B3	R79	* C4	R191	* C2	R299	* C2	R406	* C4		
C120	* C3	C249	B5	D203	B3	Q213	* B4	R81	D5	R192	C2	R301	* A1	R407	C4		
C121	C3	C250	* B5	D204	* B4	Q214	B4	R82	D4	R194	* C2	R302	* A2	R500	B1		
C122	C3	C251	* B5	D303	A3	Q215	B4	R83	* B6	R195	* C3	R303	* A2	R501	B1		
C123	* C3	C252	B5	D304	A4	Q216	B4	R84	* B6	R196	* C4	R304	* A1	R502	B2		
C124	* C3	C266	* B2			Q217	B4	R85	* B6	R197	* C5	R305	* A2	R503	B2		
C125	* C3	C268	B4	E2	B5	Q218	B4	R86	* B6	R198	C2	R306	A2	R504	C3		
C126	* C3	C269	B4	E3	D2	Q219	* B4	R87	* B6	R199	* C2	R307	A2	R505	* B4		
C127	* C3	C270	* B3			Q220	B4	R88	* B6	R201	* B2	R309	A2	R506	* B4		
C128	C3	C271	* B4	FL101	C1	Q221	B4	R89	* B6	R202	* B2	R310	* A2	R507	B4		
C129	* C5	C272	* B3	FL201	B1	Q222	B2	R90	* B6	R203	* B2	R311	* A2	R600	A2		
C130	* C5	C273	* B2	FL301	A1	Q223	C3	R91	* B6	R204	* B2	R312	* A2	R601	A2		
C131	* C5	C274	B2			Q224	B4	R92	D5	R205	* B2	R313	* A3	R602	A2		
C132	C3	C275	B2	IC1	* D2	Q301	* A2	R93	D5	R206	C2	R314	* A2	R603	A2		
C133	* C4	C276	* B4	IC2	* D3	Q302	A2	R94	C1	R207	B2	R315	* A3	R604	B3		
C134	* C3	C277	B4	IC3	* D4	Q303	* A2	R101	* C2	R209	B2	R316	* A2	R605	* A4		
C135	* C4	C278	C4	IC4	D2	Q304	* A2	R102	* C2	R210	B2	R317	A2	R606	* A4		
C137	C5	C279	B2	IC5	D2	Q305	* A2	R103	* C2	R211	* B2	R318	* A2	R607	A4		
C138	* C5	C280	B1	IC7	D3	Q306	A2	R104	* C2	R212	* B2	R319	* A2	R700	* C3		
C139	* C3	C281	B2	IC9	D4	Q307	* A3	R105	* C2	R213	* B3	R320	* A2	R701	C3		
C140	C4	C301	* A2	IC10	D4	Q308	A2	R106	C1	R214	* B2	R321	A2	R702	C3		
C141	* C4	C302	* A2	IC11	D4	Q309	* A2	R107	C2	R215	* B3	R322	* A3	R703	C4		
C142	* C4	C303	* A2	IC12	D3	Q310	* A3	R109	C2	R216	* B2	R323	B3	R704	* C4		
C143	* C5	C307	* A2	IC15	B6	Q311	A3	R110	* C2	R217	* B2	R325	* A2	R707	* C4		
C144	* C4	C308	* A2	IC16	* B6	Q312	* A3	R111	* C2	R218	* B2	R326	* A2	R800	B2		
C145	* C4	C309	A2	IC101	C2	Q313	* A4	R112	* C2	R219	* B2	R327	* A3	R801	B3		
C146	C5	C310	* A2	IC102	C3	Q314	A4	R113	* C2	R220	* B2	R328	* A3	R802	* B3		
C147	* D5	C311	* A2	IC103	C3	Q315	A4	R114	* C2	R221	B2	R329	* A3	R803	B4		
C148	* C5	C312	* A2	IC105	C3	Q316	A4	R115	* C3	R222	* B3	R330	* A3	R804	* B4		
C149	C5	C313	* A2	IC106	* C5	Q317	A4	R116	* C2	R223	B2	R331	* A3	R807	* B4		
C150	* C5	C314	* A2	IC107	C5	Q318	A4	R117	C2	R225	* B2	R332	* A3	R900	A2		
C151	* C5	C315	* A2	IC201	B2	Q319	* A4	R118	* C2	R226	* B2	R333	A3	R901	A3		
C152	C5	C316	* A2	IC202	B3	Q320	A4	R119	* C2	R227	* B3	R334	* A3	R902	* A3		
C16	D3	C317	* A3	IC203	B3	Q321	A4	R120	* C2	R228	* B3	R335	A3	R903	A4		

*: B SIDE



VA-190 -A SIDE-
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VA-190 -B SIDE-
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